

day is got over by resetting the minimum thermometer after every such shower. At sea level the temperature of the cold rain is about 75° F., which is above the early morning minimum at that level. Under normal circumstances, the temperature in Jamaica diminishes at the rate of 1° F. for every 315 feet, but when rain is falling from a thundercloud the diminution is 1° for every 177 feet.

RECENT HIGH BALLOON ASCENSIONS.

In the *Comptes Rendus* of the Paris Academy of Sciences for April, 1896, Vol. CXXII, page 849, Messrs. Hermite and Besançon give the principal results of the last scientific balloon ascension which started at 11.30 a. m., March 22, after consulting the weather predictions of the Central Meteorological Bureau. The small balloon with its apparatus weighed 32 kilos. (70 pounds), and started with a vertical pull of 106 kilos. (235 pounds); consequently the balloon rose perpen-

dicularly for three or four minutes with a steadily increasing velocity. For nearly half an hour the balloon scarcely moved from the vertical, so that the velocity of ascent certainly exceeded 5 or 6 meters (16 to 20 feet) per second. After three and a half hours the balloon descended near Cambrai. The self-registers show that it attained a maximum height of 14,000 meters (42,933 feet) within about forty-five minutes after starting, and a minimum temperature of -63° C. (-81.4° F.). The temperature at the surface of the earth beneath the balloon at that moment was +14° C. (+57.2° F.). Consequently the average rate of decrease was 1° C. (1.8° F.) for 182 meters (597 feet). This value does not much exceed that found in their voyage of October 20, 1895, when the aerostate at an altitude of 15,500 meters (50,854 feet) experienced a temperature of -70° C. (-94.0° F.), while the temperature at the surface of the ground was +11° C. (+51.8° F.). The registering thermometer has been tested in a very cold inclosure, and records properly down to -80° C. (-112.0° F.).

METEOROLOGICAL TABLES.

By A. J. HENRY, Chief of Division of Records and Meteorological Data.

Table I gives, for about 130 Weather Bureau stations making two observations daily and for about 20 others making only the 8 p. m. observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation.

Table II gives, for about 2,700 stations occupied by voluntary observers, the extreme maximum and minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (. . .).

Table III gives, for about 30 Canadian stations, the mean pressure, mean temperature, total precipitation, prevailing wind, and the respective departures from normal values. Reports from Newfoundland and Bermuda are included in this table for convenience of tabulation.

Table IV gives detailed observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, meteorologist to the Government Survey.

Table V gives, for 26 stations, the mean hourly temperatures deduced from thermographs of the pattern described and figured in the Report of the Chief of the Weather Bureau, 1891-'92, p. 29.

Table VI gives, for 26 stations, the mean hourly pressures as automatically registered by Richard barographs, except for Washington, D. C., where Foreman's barograph is in use. Both instruments are described in the Report of the Chief of the Weather Bureau, 1891-'92, pp. 26 and 30.

Table VII gives, for about 130 stations, the arithmetical means of the hourly movements of the wind ending with the respective hours, as registered automatically by the Robinson anemometer, in conjunction with an electrical recording mechanism, described and illustrated in the Report of the Chief of the Weather Bureau, 1891-'92, p. 19.

Table VIII gives the danger points, the highest, lowest, and mean stages of water in the rivers at cities and towns on the

principal rivers; also the distance of the station from the river mouth along the river channel.

Table IX gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division one may obtain the average resultant direction for that division.

Table X gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table XI gives, for 38 stations, the percentages of hourly sunshine as derived from the automatic records made by two essentially different types of instruments, designated, respectively, the thermometric recorder and the photographic recorder. The kind of instrument used at each station is indicated in the table by the letter T or P in the column following the name of the station.

Table XII gives the record of excessive precipitation at all stations from which reports are received.

Table XIII gives a record of the heaviest rainfalls for periods of five and ten minutes and one hour, as reported by regular stations of the Weather Bureau furnished with self-registering rain gauges.

Additional information concerning the tables will be found in the REVIEW for January, 1895.

NOTES EXPLANATORY OF THE CHARTS.

Chart I.—Tracks of centers of low pressure. The roman letters show number and order of centers of low areas. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. The queries (?) on the tracks show that the centers could not be satisfactorily located. Within each circle is given the lowest barometric reading reported near the center. A blank indicates that no reports were available. A wavy line indicates the axis of a trough or long oval area of low pressure.

Chart II.—Tracks of centers of high pressure. The roman letters show number and order of centers of high areas. The figures within the circles show the days of the month; the

letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. The queries (?) on the tracks show that the centers could not be satisfactorily located. Within each circle is given the highest barometric reading reported near the center. A blank indicates that no reports were available. A wavy line indicates the axis of a ridge of high pressure.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level isobars, surface isotherms, and resultant winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima

and minima and are not reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and correspond to Professor Hazen's system of reduction; the barometer is not reduced to standard gravity, but the necessary reduction for 30 inches of the mercurial barometer is shown by the marginal figures for each degree of latitude.

Charts V.—Magnetic phenomena. For further explanation of this Chart see the section on "Meteorology and Magnetism" in the text of the REVIEW.

Chart VI.—Depth of snowfall and limits of freezing weather. Total depth of snowfall is shown in inches. (T. = Trace.) The southern limit of freezing weather is shown by the frost line of minimum 40° F. — — — and by the freezing line of minimum 32° F. — — —

Chart VII.—Depth of snow lying on the ground. The total depth of snowfall is shown in inches. T. = Trace. For the numerical details on which this Chart is based see Table II.

REV—3

TABLE I.—Climatological data for Weather Bureau Stations, January, 1896.

| Stations. | Elevation above sea-level, feet. | Length of record, years. | Pressure in inches. | Temperature of the air, in degrees Fahrenheit. | | | | | | | | Humidity and precipitation. | | | | Wind. | | | Monthly temperature data since opening station. | | | | | | | | | | | | | | | | | | |
|----------------------------|----------------------------------|--------------------------|---------------------|--|-------|---------------|-------|------------------------|------|-------|------|-----------------------------|------|----------|------|---------------|-------|-----------------------|---|------------------------------------|-------|-----------------------------------|------------|---------------------------|-------|------------------------|------------------------|------------------------|-------|-------------------|-------|-----------------------------|------|-------------------|--|-------|--|
| | | | | Mean pressure, 8 a.m. and 8 p.m. + or -. | | Mean reduced. | | Departure from normal. | | Date. | | Mean maximum. | | Minimum. | | Mean minimum. | | Greatest daily range. | | Mean temperature of the dew-point. | | Mean relative humidity, per cent. | | Precipitation, in inches. | | Departure from normal. | | Total movement, miles. | | Cloudy days. | | Average cloudiness, tenths. | | Absolute maximum. | | Year. | |
| | | | | Mean | Max. | Min. | ± 2. | Mean | Max. | Min. | Max. | Mean | Max. | Min. | Max. | Mean | Max. | Min. | Max. | Mean | Max. | Days more. | Direction. | Miles per hour. | Date. | Clear days. | Days with 0.1 or more. | Partly cloudy days. | Year. | Absolute minimum. | Year. | | | | | | |
| <i>New England.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eastport | 76 | 23 | 30.02 | 30.11 | + .11 | 18.6 | - 1.7 | 43 | 3 | 24 | - 13 | 6 | 14 | 29 | 7 | 61 | 0.84 | - 3.2 | 10 | 11,546 | n. | 50 | ne. | 25 | 10 | 12 | 9 | 5.7 | 54 | 1892 | - 20 | 1874 | | | | | |
| Portland, Me. | 103 | 25 | 30.02 | 30.13 | + .08 | 20.6 | + 0.5 | 43 | 3 | 27 | - 13 | 6 | 14 | 23 | 13 | 75 | 2.00 | - 1.5 | 9 | 5,476 | n. | 26 | 40 | sw. | 1 | 5 | 11 | 11 | 5.6 | 62 | 1890 | - 15 | 1887 | | | | |
| Northfield | 872 | 9 | 29.20 | 30.22 | + .15 | 13.2 | - 1.6 | 39 | 3 | 21 | - 10 | 6 | 6 | 33 | 7 | 79 | 0.87 | - 3.0 | 13 | 5,514 | n. | 40 | 40 | sw. | 24 | 14 | 6 | 11 | 5.2 | 70 | 1876 | - 13 | 1882 | | | | |
| Boston | 125 | 26 | 30.03 | 30.17 | + .10 | 24.9 | - 1.5 | 45 | 3 | 31 | - 10 | 6 | 19 | 25 | 17 | 73 | 2.25 | - 2.0 | 11 | 9,219 | n.w. | 40 | 48 | ne. | 24 | 10 | 6 | 11 | 5.4 | 56 | 1890 | - 4 | 1888 | | | | |
| Nantucket | 14 | 10 | 30.12 | 30.13 | + .09 | 29.4 | - 1.3 | 50 | 24 | 34 | - 3 | 6 | 25 | 20 | 22 | 73 | 1.57 | - 2.3 | 13 | 10,550 | n.e. | 48 | 24 | 5 | 14 | 6 | 12 | 6.4 | 56 | 1890 | - 4 | 1888 | | | | | |
| Woods Hole | 19 | | | | | 27.6 | - 3.7 | 48 | 2 | 23 | - 4 | 4 | 6 | 6 | 21 | | 1.75 | - 1.7 | 8 | 12,487 | n.w. | 55 | 4 | 13 | 7 | 11 | 5.2 | 58 | 1892 | - 8 | 1882 | | | | | | |
| Vineyard Haven | 10 | | | | | 30.4 | - 1.6 | 50 | 3 | 35 | - 4 | 4 | 6 | 6 | 22 | | 2.04 | - 1.6 | 7 | | n.w. | 15,305 | 66 | 34 | 24 | 15 | 12 | 6.3 | 59 | 1895 | - 4 | * | | | | | |
| Block Island | 27 | 16 | 30.14 | 30.17 | + .08 | 28.4 | - 2.8 | 48 | 24 | 34 | - 11 | 6 | 19 | 33 | 21 | 70 | 2.02 | - 2.4 | 8 | | n.w. | 6 | 38 | 24 | 15 | 1 | 11 | 5.1 | 63 | 1890 | - 11 | 1896 | | | | | |
| Narragansett Pier | 14 | | | | | 25.0 | - 2.1 | 45 | 21 | 32 | - 11 | 6 | 19 | 29 | 17 | 74 | 1.59 | - 3.7 | 6 | | n.w. | 8 | 7,845 | n. | 24 | 15 | 5 | 11 | 5.0 | 65 | 1890 | - 14 | 1873 | | | | |
| New Haven | 107 | 24 | 30.05 | 30.17 | + .05 | 25.0 | - 2.0 | 45 | 3 | 31 | - 8 | 6 | 19 | 29 | 17 | 74 | 1.82 | - 2.4 | 8 | 7,845 | n. | 38 | 24 | 15 | 5 | 11 | 5.0 | 65 | 1890 | - 14 | 1873 | | | | | | |
| <i>Mid. Atlan. States.</i> | | | | | | 31.9 | - 1.6 | | | | | | | | | 1.67 | - 1.9 | | | | | | | | | | | | | | | | | | | | |
| Albany | 85 | 23 | 30.12 | 30.22 | + .12 | 30.2 | - 4.0 | 40 | 3 | 27 | - 14 | 6 | 6 | 14 | 15 | 83 | 0.98 | - 1.8 | 8 | 5,535 | n. | 28 | w. | 27 | 7 | 11 | 13 | 6.5 | 62 | 1889 | - 18 | 1878 | | | | | |
| New York | 314 | 26 | 29.83 | 30.19 | + .07 | 27.6 | - 3.3 | 47 | 25 | 33 | - 3 | 3 | 6 | 22 | 22 | 75 | 1.25 | - 2.6 | 6 | 11,077 | n.w. | 48 | ne. | 24 | 12 | 8 | 11 | 5.5 | 67 | 1890 | - 6 | 1875 | | | | | |
| Harrisburg | 377 | 8 | 29.79 | 30.22 | + .10 | 29.3 | - 1.0 | 53 | 30 | 34 | - 6 | 6 | 24 | 23 | 24 | 80 | 1.00 | - 2.7 | 5 | 5,964 | w. | 37 | n.w. | 4 | 6 | 12 | 13 | 6.2 | 67 | 1890 | - 4 | 1883 | | | | | |
| Philadelphia | 117 | 26 | 30.07 | 30.20 | + .04 | 31.1 | - 1.0 | 53 | 30 | 37 | - 6 | 6 | 26 | 20 | 22 | 71 | 1.57 | - 1.8 | 6 | 8,121 | n.w. | 34 | ne. | 24 | 10 | 10 | 11 | 5.5 | 72 | 1890 | - 5 | 1875 | | | | | |
| Baltimore | 142 | 26 | 30.07 | 30.20 | + .04 | 33.6 | - 0.7 | 59 | 30 | 39 | - 6 | 6 | 28 | 25 | 23 | 67 | 2.62 | - 0.6 | 4 | 6,299 | w. | 35 | ne. | 24 | 9 | 10 | 12 | 6.3 | 73 | 1890 | - 6 | 1881 | | | | | |
| Washington | 112 | 26 | 30.10 | 30.22 | + .04 | 33.8 | - 0.7 | 59 | 30 | 40 | - 6 | 6 | 28 | 29 | 23 | 68 | 2.37 | - 1.1 | 4 | 5,513 | n. | 34 | ne. | 3 | 9 | 11 | 11 | 5.4 | 76 | 1890 | - 14 | 1881 | | | | | |
| Cape Henry | 23 | | | | | 37.4 | - 2.3 | 64 | 24 | 31 | - 17 | 6 | 5 | 32 | 24 | 77 | 1.19 | - 3.0 | 6 | | n.w. | 25 | n.w. | 3 | 9 | 14 | 8 | ... 8 | 78 | 1876 | - 6 | 1893 | | | | | |
| Lynchburg | 685 | 25 | 29.45 | 30.22 | + .05 | 36.2 | - 0.7 | 64 | 30 | 44 | - 11 | 4 | 5 | 29 | 34 | 80 | 2.30 | - 1.9 | 7 | 3,967 | sw. | 25 | n.w. | 3 | 10 | 10 | 11 | 5.3 | 80 | 1871 | - 6 | 1893 | | | | | |
| Norfolk | 57 | 26 | 30.14 | 30.21 | + .05 | 38.8 | - 1.7 | 65 | 24 | 46 | - 14 | 6 | 32 | 36 | 31 | 79 | 1.89 | - 2.0 | 6 | 6,362 | n. | 42 | n.w. | 4 | 14 | 6 | 11 | 4.8 | 80 | 1871 | - 6 | 1893 | | | | | |
| <i>S. Atlantic States.</i> | | | | | | 44.4 | - 2.5 | | | | | | | | | 5.23 | - 1.1 | | | | | | | | | | | | | | | | | | | | |
| Charlotte | 773 | 18 | 29.35 | 30.20 | + .02 | 40.1 | - 1.1 | 63 | 30 | 45 | - 14 | 5 | 5 | 32 | 24 | 79 | 2.26 | - 3.1 | 6 | 5,049 | e. | 25 | n.w. | 3 | 13 | 8 | 10 | 5.0 | 77 | 1890 | - 1 | 1896 | | | | | |
| Hatteras | 11 | 16 | 30.18 | 30.19 | + .03 | 41.8 | - 3.8 | 60 | 17 | 46 | - 21 | 5 | 4 | 37 | 18 | 87 | 4.05 | - 2.2 | 7 | 11,272 | n. | 48 | n.w. | 3 | 12 | 11 | 8 | 4.9 | 73 | 1890 | 14 | 1886 | | | | | |
| Kittyhawk | 9 | 21 | 30.18 | 30.19 | + .02 | 39.0 | - 3.2 | 64 | 34 | 44 | - 16 | 6 | 34 | 24 | 33 | 82 | 2.77 | - 2.6 | 9 | 11,624 | n. | 48 | ne. | 17 | 15 | 11 | 5 | 4.1 | 73 | 1890 | 9 | 1884 | | | | | |
| Raleigh | 389 | 10 | 29.79 | 30.22 | + .04 | 39.1 | - 2.4 | 66 | 30 | 47 | - 14 | 6 | 31 | 30 | 28 | 68 | 2.87 | - 0.7 | 5 | 4,771 | n. | 32 | n.w. | 3 | 10 | 6 | 15 | 5.7 | 78 | 1890 | 2 | 1893 | | | | | |
| Wilmington | 78 | 26 | 30.12 | 30.21 | + .04 | 44.2 | - 1.3 | 66 | 31 | 52 | - 17 | 5 | 36 | 35 | 35 | 74 | 2.45 | - 1.5 | 5 | 5,704 | n. | 33 | ne. | 16 | 12 | 12 | 7 | 4.8 | 80 | 1879 | 10 | 1886 | | | | | |
| Charleston | 53 | 26 | 30.17 | 30.22 | + .04 | 48.2 | - 1.7 | 64 | 30 | 55 | - 27 | 5 | 42 | 22 | 42 | 85 | 4.34 | + 0.3 | 10 | 5,631 | ne. | 33 | ne. | 26 | 9 | 12 | 12 | 7 | 4.8 | 80 | 1879 | 10 | 1886 | | | | |
| Columbia | 9 | | | | | 43.6 | - 2.8 | 68 | 31 | 51 | - 15 | 5 | 54 | 34 | 31 | 83 | 3.16 | - 0.6 | 7 | | n.e. | 26 | n.w. | 3 | 12 | 12 | 7 | 4.8 | 80 | 1879 | 10 | 1886 | | | | | |
| Augusta | 180 | 25 | 30.00 | 30.20 | + .03 | 45.2 | - 2.2 | 70 | 31 | 54 | - 18 | 5 | 36 | 31 | 36 | 77 | 3.58 | - 0.9 | 7 | 3,881 | ne. | 26 | sw. | 3 | 10 | 9 | 12 | 5.6 | 80 | 1890 | 6 | 1896 | | | | | |
| Savannah | 98 | 26 | 30.10 | 30.21 | + .01 | 49.0 | - 2.6 | 70 | 30 | 57 | - 22 | 4 | 31 | 40 | 30 | 80 | 4.32 | + 0.8 | 7 | 5,461 | n.w. | 36 | n.w. | 3 | 8 | 11 | 12 | 6.1 | 80 | 1879 | 12 | 1896 | | | | | |
| Jacksonville | 43 | 25 | 30.13 | 30.18 | + .03 | 58.5 | - 3.1 | 75 | 30 | 63 | - 24 | 5 | 44 | 34 | 45 | 82 | 2.53 | - 0.9 | 9 | 4,486 | n. | 28 | n.w. | 24 | 17 | 6 | 8 | 4.5 | 81 | 1889 | 15 | 1886 | | | | | |
| <i>Florida Peninsula.</i> | | | | | | 62.0 | - 3.5 | | | | | | | | | 5.11 | - 0.2 | | | | | | | | | | | | | | | | | | | | |
| Jupiter | 28 | 9 | 30.12 | 30.15 | - .01 | 62.3 | - 4.2 | 80 | 23 | 69 | - 49 | 1 | 5 | 55 | 24 | 54 | 81 | 5.06 | - 0.9 | 13 | 7,063 | n.w. | 27 | s. | 16 | 6 | 15 | 10 | 5.6 | 83 | 1895 | 34 | 1892 | | | | |
| Key West | 22 | 26 | 30.14 | 30.16 | + .02 | 66.4 | - 4.0 | 79 | 23 | 70 | - 55 | 5 | 12 | 50 | 59 | 80 | 0.90 | - 1.2 | 8 | 7,901 | ne. | 37 | n. | 26 | 9 | 15 | 7 | 5.2 | 80 | 1877 | 41 | 1886 | | | | | |
| Tampa | 36 | 6 | 30.14 | 30.18 | + .00 | 57.2 | - 1.9 | 78 | 31 | 66 | - 32 | 5 | 49 | 32 | 48 | 80 | 3.38 | + 0.9 | 11 | 4,313 | n.w. | 24 | se. | 23 | 11 | 14 | 6 | 4.9 | 82 | 1891 | 29 | 1893 | | | | | |
| <i>East Gulf States.</i> | | | | | | 48.1 | - 1.6 | | | | | | | | | 5.51 | - 1.7 | | | | | | | | | | | | | | | | | | | | |
| Atlanta | 1,131 | 18 | 28.98 | 30.22 | + .01 | 41.8 | - 0.7 | 67 | 31 | 49 | - 14 | 4 | 5 | 39 | 26 | 83 | 3.24 | - 3.2 | 10 | 7,656 | n.w. | 35 | n.w. | 3 | 10 | 10 | 14 | 5.6 | 75 | 1890 | - 2 | 1886 | | | | | |
| Pensacola | 56 | 17 | 30.12 | 30.16 | + .01 | 40.1 | - 2.3 | 64 | 22 | 57 | - 22 | 5 | 4 | 32 | 29 | 80 | 2.98 | - 1.9 | 7 | 6,880 | n. | 37 | n.w. | 3 | 12 | 8 | 13 | 6.0 | 79 | 1890 | 15 | 1886 | | | | | |
| Mobile | 57 | 26 | 30.14 | 30.21 | + .02 | 49.4 | - 1.5 | 71 | 22 | 57 | - 22 | 5 | 4 | 32 | 29 | 83 | 4.16 | - 0.8 | 9 | 5,229 | n.w. | 30 | n.w. | 3 | 6 | 19 | 7 | 7.1 | 78 | 1882 | | | | | | | |

TABLE I.—Climatological data for Weather Bureau Stations, January, 1896—Continued.

| Stations. | Elevation above sea-level, feet. | Length of record, years. | Pressure, in inches. | | Temperature of the air, in degrees Fahrenheit. | | | | Humidity and precipitation. | | | | Wind. | | | Monthly temperature data since opening station. | | | | | | |
|--------------------|----------------------------------|--------------------------|--|---------------|--|----------------------------|------------------------|----------|-----------------------------|----------|-------|---------------|------------------------------------|-----------------------------------|------------------------|---|-------------------|-----------------------------|-------------------|-------------------|--------------|------|
| | | | Mean pressure, 8 a.m. and 8 p.m. ÷ 2. | Mean reduced. | Departure from normal. | Mean max. and min. + or -. | Departure from normal. | Maximum. | Mean maximum. | Minimum. | Date. | Mean minimum. | Greatest daily range. | Precipitation, in inches. | Total movement, miles. | Prevailing direction. | Maximum velocity. | Clear days. | | | | |
| | | | | | | | | | | | | | Mean temperature of the dew-point. | Mean relative humidity, per cent. | Departure from normal. | Days with 01 or more. | Cloudy days. | Average cloudiness, tenths. | Absolute maximum. | | | |
| Up Miss. Val.—Con | | | | | | | | | | | | | | | | | | | | | | |
| Springfield, Ill. | 644 | 17 | 29.45 | 30.17 | .00 | 30.4 + 4.8 | 55 | 31 | 37 | - 4 | 3 | 24 | 31 | 1.77 - 0.6 | 7 | 7,045 s. | 28 nw. | 3 5 12 14 6.7 68 | 1890 -22 | 1884 | | |
| Hannibal | 534 | | 29.57 | 30.17 | | 31.0 - 5.6 | 58 | 29 | 39 | 5 | 3 | 24 | 30 | 1.54 - 0.8 | 7 | 6,223 e. | 37 s. | 1 10 9 13 5.7 74 | 1890 -22 | 1884 | | |
| St. Louis | 571 | 26 | 29.55 | 30.19 | -.03 | 35.0 + 6.3 | 62 | 11 | 42 | 5 | 3 | 28 | 30 | 1.43 - 0.8 | 7 | 6,237 se. | 32 nw. | 3 10 | | | | |
| Missouri Valley | | | | | | 27.2 + 7.4 | | | | | | | | 0.67 - 0.5 | | | | | | | | |
| Columbia | 7 | | 33.0 + 2.6 | 63 | | 11 | 42 | | | | | | | 1.03 - 1.0 | 7 | 6,490 n.w. | 32 sw. | 11 9 4 18 6.9 74 | 1894 -16 | 1894 | | |
| Kansas City | 963 | 8 | 29.12 | 30.20 | .00 | 31.4 + 5.6 | 55 | 10 | 38 | 0 | 3 | 25 | 31 | 1.79 - 0.4 | 8 | 5,908 s. | 38 n. | 7 10 5 16 6.3 68 | 1890 -17 | 1892 | | |
| Springfield, Mo. | 1,324 | 11 | 28.73 | 30.17 | +.01 | 35.4 + 5.5 | 64 | 11 | 43 | 4 | 3 | 26 | 30 | 1.50 - 0.8 | 7 | 7,201 se. | 30 sw. | 6 14 12 16 6.2 74 | 1890 -17 | 1894 | | |
| Topeka | 9 | | 32.4 + 7.1 | 58 | | 9 | 41 | | | | | | | 0.41 - 0.7 | 8 | | | | | | | |
| Omaha | 1,123 | 26 | 28.94 | 30.20 | -.02 | 27.3 + 10.1 | 63 | 10 | 36 | - 8 | 3 | 19 | 34 | 1.74 - 0.4 | 7 | 5,503 s. | 26 n.w. | 22 5 10 16 7.0 70 | 1894 -23 | 1892 | | |
| Sioux City | 1,165 | 7 | 22.9 + 6.2 | 63 | | 10 | 34 | | | | | | | 0.21 - 0.6 | 3 | 8,362 n.w. | 41 n.w. | 11 4 9 18 7.1 63 | 1896 -28 | 1892 | | |
| Pierre | 1,470 | 21 | 28.52 | 30.19 | -.01 | 18.5 + 10.5 | 60 | 9 | 38 | - 11 | 3 | 9 | 43 | 0.62 + 0.1 | 7 | 6,197 n.w. | 36 n.w. | 6 10 9 12 6.2 60 | 1890 -39 | 1888 | | |
| Huron | 1,310 | 15 | 28.70 | 30.20 | -.01 | 16.8 + 11.8 | 57 | 10 | 36 | - 15 | 3 | 6 | 40 | 0.45 + 0.9 | 9 | 9,395 se. | 48 se. | 19 5 7 17 6.7 57 | 1896 -43 | 1887 | | |
| Northern Slope | | | 22.3 + 7.0 | | | | | | | | | | | 0.58 - 0.1 | | | | | | | | |
| Havre | 2,477 | 16 | 27.35 | 30.17 | +.02 | 7.2 + 1.9 | 53 | 9 | 16 | - 31 | 3 | 2 | 52 | 4 | 86 | 1,384 + 0.4 | 13 | 6,777 sw. | 46 sw. | 9 11 5 15 6.1 56 | 1892 -49 | 1886 |
| Miles City | 2,372 | 8 | 27.49 | 30.16 | -.02 | 12.2 + 1.6 | 51 | 9 | 23 | - 25 | 3 | 2 | 43 | 6 | 76 | 0.53 - 0.0 | 9 | 4,526 ne. | 26 s. | 1 9 12 10 5.5 54 | 1893 -45 | 1892 |
| Helena | 4,108 | 16 | 25.77 | 30.16 | +.04 | 23.6 + 8.3 | 52 | 9 | 32 | - 20 | 15 | 3 | 55 | 12 | 64 | 0.72 - 0.6 | 9 | 4,632 sw. | 34 sw. | 19 9 10 13 5.6 50 | 1893 -42 | 1893 |
| Rapid City | 3,260 | 11 | 26.60 | 30.14 | -.04 | 25.0 + 5.8 | 63 | 27 | 37 | - 14 | 3 | 13 | 54 | 10 | 69 | 0.37 - 0.1 | 3 | 6,507 w. | 48 n. | 11 6 17 12 5.9 69 | 1892 -37 | 1888 |
| Cheyenne | 6,105 | 23 | 23.95 | 30.16 | -.03 | 32.2 + 8.4 | 58 | 8 | 43 | - 20 | 3 | 21 | 41 | 13 | 47 | 0.68 + 0.3 | 3 | 9,215 n.w. | 56 w. | 1 1 6 4 6.0 64 | 1898 -38 | 1875 |
| Lander | 5,377 | 13 | 24.50 | 30.20 | -.03 | 24.6 + 9.9 | 51 | * | 37 | - 20 | 3 | 12 | 48 | 14 | 70 | 0.24 - 0.5 | 5 | 2,370 sw. | 50 w. | 1 12 17 22 4.2 57 | 1892 -42 | 1883 |
| North Platte | 2,826 | 22 | 27.11 | 30.19 | -.02 | 31.1 + 13.2 | 63 | 27 | 44 | - 14 | 3 | 18 | 42 | 19 | 70 | 0.27 - 0.2 | 4 | 6,577 w. | 36 nw. | 9 8 17 6 4.9 70 | 1880 -35 | 1888 |
| Middle Slope | | | 36.4 + 9.8 | | | | | | | | | | | 0.46 - 0.5 | | | | | | | | |
| Denver | 5,309 | 25 | 24.70 | 30.16 | -.03 | 37.4 + 10.7 | 67 | 8 | 52 | 0 | 3 | 23 | 42 | 14 | 44 | 0.25 - 0.3 | 4 | 6,393 s. | 66 sw. | 1 10 17 4 4.3 76 | 1888 -29 | 1875 |
| Pueblo | 4,734 | 8 | 25.25 | 30.14 | -.02 | 36.8 + 8.5 | 66 | 17 | 53 | 5 | 3 | 21 | 53 | 13 | 44 | 0.41 + 0.1 | 4 | 4,935 n.w. | 47 w. | 1 10 14 7 4.8 71 | 1892 -13 | 1891 |
| Concordia | 1,410 | 11 | 28.63 | 30.20 | -.02 | 32.5 + 11.1 | 64 | 8 | 43 | 3 | 3 | 32 | 44 | 20 | 71 | 0.52 - 0.5 | 6 | 4,833 s. | 30 n. | 2 15 17 12 5.3 72 | 1894 -25 | 1886 |
| Dodge City | 2,504 | 23 | 27.45 | 30.16 | -.02 | 36.4 + 12.8 | 68 | 9 | 48 | 2 | 3 | 25 | 46 | 24 | 74 | 0.49 - 0.0 | 7 | 7,108 se. | 34 se. | 29 13 7 11 5.3 73 | 1887 -20 | 1888 |
| Wichita | 1,351 | 8 | 28.68 | 30.17 | -.01 | 35.7 + 7.7 | 66 | 9 | 45 | 4 | 3 | 25 | 46 | 24 | 76 | 0.62 - 0.9 | 8 | 6,205 n. | 36 sw. | 4 12 17 14 5.9 73 | 1894 -14 | 1892 |
| Oklahoma | 1,239 | 6 | 28.84 | 30.20 | +.02 | 39.4 + 8.3 | 68 | 9 | 47 | 11 | 3 | 32 | 36 | 32 | 82 | 0.45 - 1.4 | 8 | 6,418 n. | 32 n. | 2 14 5 12 5.4 78 | 1893 -11 | 1892 |
| Southern Slope | | | 36.7 + 9.8 | | | | | | | | | | | 1.44 + 0.5 | 9 | 6,126 n. | 38 nw. | 21 11 4 16 6.1 82 | 1890 -5 | 1888 | | |
| Abilene | 1,749 | 11 | 28.29 | 30.18 | -.02 | 45.4 + 4.9 | 74 | 9 | 55 | 16 | 4 | 36 | 42 | 35 | 76 | 1.44 + 0.5 | 9 | 6,126 n. | 38 sw. | 2 13 10 5.5 55 | | |
| Amarillo | 3,691 | | 26.28 | 30.16 | | 39.6 + 6.8 | 68 | 9 | 52 | 3 | 3 | 41 | 42 | 61 | 0.76 | 5 | 11,311 s. | 48 sw. | 2 8 13 10 5.5 | | | |
| Southern Plateau | | | 48.2 + 4.6 | | | | | | | | | | | 0.65 + 0.2 | | | | | | | | |
| El Paso | 3,767 | 18 | 26.25 | 30.15 | +.02 | 47.0 + 3.5 | 73 | 19 | 61 | 14 | 1 | 33 | 41 | 21 | 45 | 1.63 + 1.1 | 4 | 7,366 n.w. | 47 nw. | 22 11 17 3 4.2 77 | 1890 5 | 1881 |
| Santa Fe | 6,998 | 24 | 23.27 | 30.17 | -.00 | 33.9 + 6.1 | 54 | 27 | 35 | 1 | 1 | 25 | 27 | 16 | 51 | 0.36 - 0.1 | 5 | 4,687 n.e. | 26 ne. | 2 17 11 3 3.7 76 | 1879 -13 | 1883 |
| Phoenix | 1,106 | 13 | 28.88 | 30.07 | | 54.0 + 5.0 | 70 | 10 | 69 | 30 | 1 | 39 | 43 | 35 | 55 | 0.46 - 0.1 | 2 | 3,185 se. | 20 se. | 28 21 7 3 2.8 76 | | |
| Yuma | 141 | 21 | 29.88 | 30.03 | -.05 | 57.8 + 3.9 | 81 | 21 | 72 | 31 | 6 | 44 | 39 | 31 | 41 | 0.14 - 0.2 | 1 | 4,420 n. | 28 ne. | 29 17 10 4 3.3 81 | 1896 22 | 1883 |
| Independence | 3,884 | | 26.06 | 30.09 | | 43.2 + 8.1 | 68 | 17 | 55 | 18 | 1 | 31 | 35 | 22 | 47 | 1.67 - 1.0 | 6 | 5,196 n.w. | 35 sw. | 21 8 7 16 6.3 | | |
| Middle Plateau | | | 36.7 + 8.1 | | | | | | | | | | | 2.56 + 1.0 | | | | | | | | |
| Carson City | 4,720 | 9 | 25.29 | 30.12 | | 40.4 + 9.4 | 60 | 8 | 51 | 12 | 4 | 30 | 41 | 22 | 50 | 5.36 + 3.4 | 10 | | | 15 4 12 5.3 60 | * -22 | 1890 |
| Winnewucha | 4,340 | 18 | 25.66 | 30.14 | -.06 | 35.6 + 8.6 | 58 | 18 | 44 | 11 | 13 | 38 | 30 | 24 | 63 | 1.16 - 0.0 | 11 | 9,053 e. | 54 sw. | 21 4 11 16 6.9 67 | 1887 -28 | 1888 |
| Salt Lake City | 4,344 | 23 | 25.70 | 30.24 | -.01 | 34.0 + 6.3 | 54 | 27 | 42 | 9 | 4 | 26 | 25 | 25 | 71 | 1.36 - 0.3 | 9 | 4,274 se. | 36 se. | 17 4 8 19 7.5 54 | * -20 | 1883 |
| Northern Plateau | | | 31.6 + 9.4 | | | | | | | | | | | 2.00 - 0.2 | | | | | | | | |
| Baker City | 3,430 | 7 | 26.41 | 30.05 | -.15 | 30.3 + 8.0 | 51 | * | 34 | - 3 | 12 | 23 | 24 | 22 | 73 | 1.57 - 0.1 | 14 | 4,705 s. | 33 sw. | 17 4 9 18 7.4 51 | 1896 -14 | 1890 |
| Idaho Falls | 4,742 | 7 | 25.25 | 30.22 | -.02 | 26.0 + 10.5 | 49 | 28 | 34 | 10 | 13 | 26 | 30 | 21 | 83 | 1.56 - 0.8 | 10 | + | 36 s. | 20 8 15 6.4 49 | 1896 -38 | 1883 |
| Spokane | 1,930 | 15 | 27.92 | 30.04 | -.07 | 30.8 + 9.8 | 52 | 27 | 36 | 1 | 3 | 26 | 20 | 26 | 81 | 3.00 + 0.2 | 18 | 4,623 s. | 30 sw. | 18 5 24 8.4 55 | 1883 -30 | 1888 |
| Walla Walla | 1,018 | 11 | 28.90 | 30.02 | -.14 | 39.1 + 9.3 | 63 | 14 | 46 | 14 | 16 | 32 | 36 | 34 | 84 | 1.88 - 0.3 | 14 | 5,601 s. | 33 s. | 26 7 13 11 6.1 65 | 1888 -17 | 1888 |
| N. Pac. Coast Reg. | | | 42.3 + 3.1 | | | | | | | | | | | 13.20 + 3.5 | | | | | | | | |
| East Clallam | | | 28.9 + 5.5 | | | | | | | | | | | 26.93 | 26 | | | 3 1 27 | | | | |
| Fort Canby | 179 | 13 | 29.68 | 29.88 | -.04 | 42.8 + 1.9 | 58 | 26 | 47 | 32 | 15 | 40 | 48 | 41 | 92 | 11.53 + 2.5 | 26 | 16,037 s. | 73 s. | 25 3 25 8.4 60 | 1893 11 1888 | |
| Neah Bay | 13 | | 42.0 + 1.4 | | | | | | | | | | | 25.85 + 10.5 | 25 | | | 4 24 | | | | |
| Port Angeles | 29 | 11 | 29.81 | 29.84 | -.13 | 39.0 + 4.3 | 50 | 26 | 44 | 25 | 25 | 34 | 33 | 34 | 85 | 5.07 - 0.6 | 17 | 4,385 s. | 27 w. | 18 5 8 18 7.1 60 | 1892 -1 1893 | |
| Port Crescent | | | 37.2 + 5.5 | | | | | | | | | | | 10.10 - 0.7 | 19 | | | 3 10 18 | | | | |
| Pysht § | | | 37.3 + 5.5 | | | | | | | | | | | 17.96 - 0.7 | 24 | | | 3 26 | | | | |
| Seattle | 119 | | 29.75 | 29.88 | | 41.8 + 6.1 | 61 | 26 | 46 | 26 | 16 | 37 | 22 | 37 | 62 | 7.06 - 0.2 | 23 | 5,324 s. | 30 se. | 20 2 6 23 8.0 | | |
| Tatoosh Island | 86 | 12 | 29.71 | 29.81 | -.21 | 41.6 + 1.4 | 57 | 7 | 46 | 27 | 16 | 37 | 24 | 38 | 85 | 22.57 + 9.3 | 27 | 13,904 s. | 60 se. | 7 4 2 | | |

MONTHLY WEATHER REVIEW.

JANUARY, 1896

TABLE II.—*Meteorological record of voluntary and other cooperating observers, January, 1896.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|-----------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| <i>Alabama.</i> | o | o | o | Ins. | Ins. | <i>Arizona—Cont'd.</i> | o | o | o | Ins. | o | <i>California—Cont'd.</i> | o | o | o | Ins. | Ins. |
| Alco †..... | 71 | 18 | 48.6 | 4.65 | | Willcox *s | 63 | 16 | 42.3 | Ins. | 0.27 | Fort Ross..... | o | o | o | 24.04 | |
| Ashville *†..... | 66 | 13 | 42.7 | 4.42 | | <i>Arkansas.</i> | | | | | | Fort Tejon..... | 66 | 30 | 46.6 | 3.07 | |
| Bermuda †..... | 77 | 16 | 47.4 | 7.38 | | Bee Branch †..... | 68 | 10 | 42.6 | 4.05 | | Georgetown †..... | 68 | 26 | 50.0 | 19.55 | |
| Birmingham..... | 68 | 14 | 44.8 | 3.40 | | Blanchard Springs †..... | 68 | 15 | 43.3 | 5.76 | | Glendora..... | | | | 4.05 | |
| Brewton..... | 75 | 16 | 47.6 | 4.40 | | Brinkley †..... | 64 | 14 | 42.6 | 3.95 | | Goshen *s..... | 68 | 26 | 50.0 | 1.08 | |
| Carrollton *†..... | 63 | 19 | 44.0 | 4.38 | | Camden †..... | 68 | 14 | 42.0 | 5.39 | | Grass Valley..... | | | | 20.34 | |
| Citronelle †..... | 68 | 24 | 49.8 | 3.48 | | Camden †..... | 68 | 14 | 42.0 | 6.94 | | Greenville †..... | 54 | 12 | 36.8 | 16.66 | |
| Clanton †..... | 67 | 17 | 44.0 | 6.42 | | Conway *†..... | 61 | 14 | 41.1 | 5.55 | 4.0 | Guinda..... | | | | 13.27 | |
| Collirene *†..... | 70 | 20 | 46.0 | 7.30 | | Corning †..... | 62 | 9 | 39.2 | 2.78 | | Healdsburg *†..... | 63 | 28 | 48.4 | 23.01 | |
| Cordova †..... | | | | 3.30 | | Dallas †..... | 68 | 11 | 40.8 | 3.01 | | Hollister..... | 68 | 25 | 51.0 | 6.76 | |
| Daphne †..... | 73 | 19 | 50.8 | 1.77 | | Dardanelle †..... | | | | | | Hueneme..... | | | | 5.14 | |
| Decatur †..... | 64 | 9 | 39.8 | 1.82 | | Daron †..... | | | | | | Humboldt L. H. | | | | 7.83 | |
| Demopolis †..... | | | 4.59 | | | Eaton †..... | 78 | 13 | 49.7 | 3.45 | | Hydesville †..... | 66 | 32 | 50.7 | 9.99 | |
| Elba †..... | 68 | 15 | 43.6 | 3.41 | | Fayetteville †..... | 67 | 7 | 39.7 | 1.64 | 4.0 | Indio *s..... | 80 | 29 | 55.3 | 80.56 | |
| Eufaula a †..... | 70 | 21 | 46.2 | 3.47 | | Forrest †..... | 65 | 15 | 42.2 | 5.10 | | Iron Mountain..... | 64 | 33 | 46.7 | 17.77 | |
| Eufaula c..... | | | | 3.34 | | Fort Smith..... | | | | | | Jolon..... | 58 | 31 | 44.4 | 8.79 | |
| Evergreen †..... | 70 | 17 | 46.4 | 4.67 | T. | Fulton †..... | | | | | | Julian †..... | 71 | 31 | 47.0 | 4.55 | 1.5 |
| Florence a †..... | | | | 2.04 | | Gaines Landing †..... | | | | | | Kelley *s..... | 60 | 29 | 44.9 | 0.45 | |
| Florence b..... | 64 | 13 | 41.6 | 2.28 | | Helena a †..... | 65 | 14 | 40.8 | 4.12 | | Keene *s..... | 70 | 24 | 49.9 | 2.82 | |
| Fort Deposit †..... | 65 | 18 | 44.7 | 3.94 | | Helena b †..... | 65 | 13 | 43.4 | 5.85 | | Kennedy Gold Mine..... | 64 | 28 | 47.6 | 11.80 | |
| Gadsden †..... | 67 | 14 | 41.2 | 5.00 | | Hot Springs a | 73 | 13 | 43.4 | 6.12 | | Kernville..... | | | | 3.52 | |
| Goodwater †..... | 70 | 15 | 44.0 | 5.93 | | Hot Springs b | | | | | | King City *s..... | 68 | 24 | 52.1 | 4.53 | |
| Greensboro †..... | 69 | 17 | 43.5 | 4.44 | | Hot Springs (near)..... | | | | | | Kingsburg *s..... | 68 | 25 | 49.0 | 2.14 | |
| Healing Springs †..... | | | | 8.71 | | Keesees Ferry †..... | 69 | 5 | 39.8 | 2.79 | 2.8 | Kono Tayee..... | 57 | 34 | 46.6 | 9.42 | |
| Highland Home †..... | 70 | 17 | 47.2 | 3.63 | | Kirby †..... | 68 | 11 | 41.5 | 5.75 | T. | Lagrange *s..... | 65 | 30 | 51.3 | 4.72 | |
| Jasper..... | | | | 2.81 | | La Crosse †..... | 62 | 4 | 36.8 | 3.03 | 3.2 | Lodi..... | 64 | 28 | 49.7 | 9.02 | |
| Livingston †..... | 67 | 15 | 44.6 | 3.84 | | Little Rock..... | | | | | | Los Alamos †..... | | | | 3.89 | |
| Lock No. 4..... | | | 4.50 | | | Lonoke *s..... | 61 | 17 | 43.0 | 4.31 | 1.0 | Los Gatos b | 62 | 35 | 50.2 | 17.39 | |
| Madison Station †..... | 62 | 10 | 41.0 | 1.86 | | Luna Landing *s..... | 64 | 18 | 44.3 | 2.97 | | Middleton *s..... | 66 | 24 | 46.2 | 25.78 | |
| Maplegrove †..... | | | 5.55 | | | Madding *s..... | | | | | | Mills College..... | | | | 11.90 | |
| Marion †..... | 65 | 17 | 43.2 | 4.60 | | Malvern †..... | 67 | 14 | 39.8 | 6.32 | | Milton (near) *s..... | 65 | 33 | 54.0 | 9.30 | |
| Mount Willing †..... | 74 | 15 | 47.1 | 5.45 | | Mount Nebo †..... | 61 | 6 | 39.0 | 3.36 | 6.5 | Modesto *s..... | 70 | 27 | 52.1 | 4.56 | |
| Newbern †..... | 68 | 16 | 44.0 | 4.14 | | New Gascony *s..... | 63 | 16 | 41.8 | 5.87 | T. | Mohave *s..... | 65 | 25 | 48.5 | 1.31 | |
| Newburg †..... | 67 | 10 | 41.8 | 2.61 | | Newport a †..... | 65 | 11 | 40.0 | 4.13 | | Mokelumne Hill *s..... | 66 | 35 | 44.8 | 9.41 | |
| Newton †..... | 74 | 19 | 45.9 | 6.39 | | Newport b †..... | 66 | 11 | 40.8 | 4.30 | | Monterey *s..... | 66 | 30 | 52.7 | 3.24 | |
| Oneonta †..... | 65 | 11 | 40.8 | 1.84 | | Newport c †..... | 66 | 12 | 41.0 | 4.09 | | Mountain Home..... | | | | 11.41 | 9.5 |
| Opelika †..... | | | 6.53 | | | Ozark †..... | 68 | 12 | 41.8 | 1.73 | | Mount Frazier †..... | | | | 2.94 | |
| Oxanna †..... | 66 | 13 | 43.4 | 4.13 | | Pine Bluff †..... | 66 | 13 | 43.0 | 5.66 | | Mount Glenwood *s..... | 63 | 33 | 50.4 | 24.22 | |
| Pineapple †..... | 62 | | | 3.40 | | Pocahontas †..... | 61 | 9 | 37.5 | 2.79 | 0.1 | Napa b | 65 | 33 | 52.6 | 9.28 | |
| Pushmataha †..... | 70 | 16 | 46.4 | 4.67 | | Rison †..... | 66 | 11 | 41.4 | 6.01 | | Needles †..... | 70 | 20 | 47.0 | 0.00 | |
| Scottsboro †..... | 60 | 10 | 38.6 | 3.48 | | Russellville †..... | 64 | 12 | 42.0 | 4.23 | 0.3 | Nevada City †..... | 63 | 27 | 44.2 | 19.61 | |
| Selma †..... | | | 6.51 | | | Silver Springs †..... | 64 | 8 | 36.8 | 1.53 | 2.6 | Newcastle †..... | 60 | 32 | 47.4 | 10.08 | |
| Talladega *s..... | 70 | 15 | 44.4 | | | Stuttgart †..... | 64 | 15 | 41.4 | 4.90 | | Newhall *s..... | 79 | 25 | 51.8 | 2.15 | |
| Tuscaloosa †..... | 78 | 15 | 42.9 | 4.11 | | Texarkana †..... | 68 | 20 | 45.1 | 3.60 | | Nordhoff †..... | 87 | 27 | 52.4 | 5.78 | |
| Tuscumbia..... | 63 | 13 | 40.9 | 2.11 | | Warren †..... | 70 | 15 | 44.2 | 4.44 | 29.0 | Oakland a | 64 | 33 | 51.0 | 11.03 | |
| Union †..... | 68 | 15 | 44.0 | 4.00 | | Washington *†..... | 70 | 15 | 43.6 | 4.86 | | Ogilby *s..... | 78 | 38 | 55.6 | 0.00 | |
| Union Springs †..... | 73 | 16 | 44.4 | 5.33 | | Wiggs..... | | | | | | Oleta *s..... | 62 | 31 | 46.3 | 9.94 | |
| Uniontown †..... | 69 | 18 | 45.1 | 5.73 | | Winslow †..... | 60 | 9 | 35.9 | 1.76 | 4.0 | Orange..... | 80 | 31 | 54.6 | 2.85 | |
| Valleyhead †..... | 63 | 10 | 42.4 | 3.95 | | Witts Springs †..... | 62 | 5 | 37.7 | 1.54 | 1.3 | Orangevale †..... | 64 | 31 | 49.8 | 10.42 | |
| Warrior..... | | | | 4.93 | | <i>California.</i> | | | | | | Orland *s..... | 65 | 27 | 47.5 | 8.54 | |
| Wetumpka..... | | | | 6.49 | | Adin..... | 51 | 11 | 35.2 | 3.87 | 6.0 | Ormonde †..... | | | | 25.58 | |
| Killisnoo †..... | 42 | 1 | 17.4 | 7.50 | 56.5 | Agnew..... | 64 | 24 | 47.4 | 4.82 | | Paloero †..... | 64 | 30 | 46.9 | 10.03 | |
| Kodiak c..... | 41 | 6 | 19.4 | | | Arlington Heights..... | 84 | 34 | 55.6 | 1.45 | | Palermo †..... | 64 | 30 | 46.9 | 4.64 | |
| <i>Arizona.</i> | | | | | | Athalone *s..... | 68 | 30 | 49.7 | 5.14 | | Pan Robles b | 62 | 21 | 46.6 | 4.64 | |
| Benson *s..... | 85 | 37 | 58.3 | 0.10 | | Azusa..... | | | | | | Peachland..... | | | | 17.55 | |
| Bisbee †..... | 69 | 26 | 48.1 | 0.55 | 1.0 | Ballast Point L. H. | 70 | 20 | 50.0 | | | Picacho..... | 84 | 40 | 60.2 | 0.25 | |
| Buckeye †..... | 86 | 28 | 57.6 | 0.60 | | Bear Valley †..... | | | | | | Piedras Blancas L. H. | | | | 11.30 | |
| Calabasas †..... | 72 | 19 | 46.5 | 0.60 | | Berkeley..... | 63 | 37 | 50.8 | 11.40 | | Oroville b | 63 | 34 | 52.3 | 11.41 | |
| Casa Grande *s..... | 78 | 30 | 55.1 | 0.65 | | Bishop †..... | 63 | 15 | 37.2 | 1.52 | | Palermo †..... | 64 | 30 | 46.9 | 10.03 | |
| Dragoon †..... | | | | 0.35 | | Bishop Creek *s..... | 56 | 10 | 34.5 | 1.07 | | Pan Robles b | 62 | 21 | 46.6 | 4.64 | |
| Dragon Summit *s..... | 65 | 29 | 48.0 | 0.39 | | Boca *s..... | 58 | 8 | 32.6 | 7.75 | 1.5 | Peachland..... | | | | 17.55 | |
| Dudleyville †..... | 73 | 16 | 48.6 | 0.51 | T. | Bodie †..... | 49 | 7 | 24.7 | 5.98 | 34.0 | Picacho..... | 84 | 40 | 60.2 | 0.25 | |
| Eagle Pass *s..... | | 18 | 38.2 | 0.46 | 4.6 | Bowmans Dam †..... | | | | | | Piedras Blancas L. H. | | | | 11.30 | |
| Farley's Camp..... | 85 | 31 | 55.9 | 0.97 | | Calloway Canal †..... | | | | | | Oroville b | 63 | 34 | 52.3 | 7.73 | |
| Flagstaff †..... | 51 | 4 | 31.1 | | 9.0 | Cedarville †..... | 48 | 15 | 35.4 | 3.59 | 1.0 | Pan Robles b | 62 | 21 | 46.6 | 4.64 | |
| Fort Apache..... | 60 | 14 | 37.6 | 0.16 | 0.3 | Centererville *s..... | 68 | 32 | 54.9 | 7.45 | | Picacho..... | 84 | 40 | 60.2 | 0.25 | |
| Fort Grant †..... | 71 | 24 | 48.6 | 0.29 | 0.2 | Chino *s..... | 78 | 27 | 52.5 | 2.24 | | Piedras Blancas L. H. | | | | 11.30 | |
| Fort Huachuca †..... | 70 | 20 | 48.2 | 0.33 | | Chico *s..... | 64 | 29 | 49.3 | 10.08 | | Pigeon Point L. H. | | | | 7.84 | |
| Gila Bend a *s..... | 79 | 35 | 56.3 | 1.20 | | Cisco *s..... | 47 | 19 | 34.7 | 3.47 | 40.0 | Pilot Creek..... | | | | 25.47 | 11.0 |
| Gila Bend b †..... | 82 | 31 | 58.8 | 0.87 | | Claremont †..... | 76 | 32 | 52.2 | 3.49 | | Placerville b | 60 | 21 | 44.3 | 16.38 | |
| Gisela †..... | 68 | 14 | 44.2 | 0.59 | | Cloverdale *s..... | 62 | 36 | 53.5 | 23.36 | | Point Ano Nuevo L. H. | | | | 3.65 | |
| Holbrook †..... | 61 | 9 | 36.7 | 0.15 | | Coronado..... | 65 | 33 | 50.6 | 12.40 | | Point Arena L. H. | | | | 11.65 | |
| Maricopa *s..... | 90 | 23 | 47.5 | 0.68 | | Crafton..... | 75 | 30 | 52.4 | 1.57 | | Point Bonita L. H. | | | | 6.11 | |
| Mount Huachuca †..... | 76 | 22 | 46.6 | 0.74 | | Crescent City †..... | 64 | 33 | 49.3 | 11.34 | | Point Conception L. H. | | | | 3.50 | |
| Natural Bridge †..... | | | | 0.52 | | Davisville b | 85 | 30 | 57.2 | 10.79 | | Point Fermin L. H. | | | | 4.54 | |
| Oracle †..... | | | | | | | | | | | | | | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|-------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|----------------------|-------------------------------|----------|-------|--------------------------|-------------------------|-----------------------|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| <i>California—Cont'd.</i> | | | | | | | | | | | | | | | | | |
| Riverside† | ° | ° | ° | In. | In. | Greeley† | ° | ° | ° | In. | In. | Eustis† | ° | ° | ° | In. | In. |
| Roe Island L. H. | 84 | 30 | 54.6 | 1.69 | 6.80 | Gulch† | 58 | 8 | 26.9 | 0.60 | 14.0 | Federal Point† | 78 | 29 | 56.5 | 7.27 | 7.27 |
| Rosewood. | 65 | 24 | 46.4 | 13.60 | | Gunnison† | 44 | -24 | 8.8 | 1.21 | 12.1 | Fort Meade† | 75 | 25 | 53.6 | 4.08 | 4.08 |
| Sacramento a. | 66 | 28 | 49.8 | 10.46 | | Holly | 48 | — | — | 0.52 | 1.0 | Frostproof† | 77 | 34 | 57.8 | 2.02 | 2.02 |
| Salton* ⁵ | 112 | 30 | 63.6 | T. | | Holyoke a. | — | — | — | 0.47 | 0.2 | Grasmere† | 81 | 30 | 56.0 | 1.29 | 1.29 |
| San Bernardino† | 82 | 29 | 54.2 | 2.02 | | Holyoke b. | — | — | — | 0.45 | — | Hypoluxo*† | 78 | 41 | 64.7 | 2.39 | 2.39 |
| San Jacinto. | 85 | 24 | 52.3 | 2.04 | | Hugo* ⁵ | 60 | 8 | 32.8 | 0.17 | 1.0 | Kissimmee† | 78 | 32 | 60.5 | 4.79 | 4.79 |
| San Jose b. | 68 | 24 | 49.6 | 5.17 | | Hugo (near)† | 62 | —4 | 31.7 | 0.52 | 0.2 | Lake City† | 75 | 27 | 55.0 | 2.50 | 2.50 |
| San Leandro*† | 74 | 37 | 55.4 | 9.84 | | Husted† | 70 | -10 | 35.1 | 0.43 | 3.7 | Lemon City† | 80 | 40 | 63.5 | 0.45 | 0.45 |
| San Luis L. H. | — | — | — | 6.93 | | Jamestown | 57 | —4 | 31.2 | 0.76 | 8.0 | Manatee† | 80 | 27 | 55.0 | 2.23 | 2.23 |
| San Luis Obispo a. | — | — | — | 7.87 | | Julesburg† | 64 | -21 | 29.1 | 0.39 | T. | Merritts Island† | 76 | 39 | 59.5 | 5.87 | 5.87 |
| San Mateo* ⁵ | 66 | 38 | 53.6 | 8.89 | | Kit Carson*† | 63 | 6 | 33.9 | — | — | Milton† | — | — | — | 6.90 | 6.90 |
| San Miguel* ⁵ | 63 | 19 | 49.7 | 3.57 | | Lake Moraine† | 47 | 1 | 27.0 | 0.80 | 10.5 | Mullet Key† | 68 | 36 | 56.9 | 2.34 | 2.34 |
| San Miguel Island† | 75 | 40 | 55.2 | 5.37 | | Laporte† | — | — | — | 0.60 | 1.0 | Myers† | 78 | 38 | 59.5 | 2.53 | 2.53 |
| San Rafael† | — | — | — | 20.07 | | Las Animas† | 64 | 2 | 35.0 | 0.25 | — | New Smyrna† | 75 | 33 | 54.3 | 8.01 | 8.01 |
| Santa Ana* ⁵ | 78 | 42 | 63.2 | 3.43 | | Lay*† | 45 | -10 | 21.0 | 0.95 | 9.5 | Oakhill*† | 75 | 40 | 59.2 | — | — |
| Santa Barbara L. H. | — | — | — | 6.49 | | Leadville (near) *† | 46 | —7 | 21.2 | 1.26 | 22.0 | Ocala*† | 77 | 29 | 54.0 | 4.58 | 4.58 |
| Santa Clara a* ⁵ | 68 | 30 | 50.9 | 6.02 | | Leroy† | 59 | —9 | 33.4 | 0.53 | 0.9 | Orange City† | 76 | 29 | 56.1 | 6.56 | 6.56 |
| Santa Cruz b† | 75 | 31 | 53.0 | 8.52 | | Lougmont† | 65 | —5 | 32.0 | 0.38 | 3.8 | Orangepark | 72 | 24 | 52.4 | 2.67 | 2.67 |
| Santa Cruz L. H. | — | — | — | 7.91 | | Loveland | — | — | — | 0.35 | 3.5 | Orlando† | 80 | 33 | 58.5 | 5.03 | 5.03 |
| Santa Maria. | 75 | 32 | 56.0 | 4.60 | | Meeker† | 50 | -18 | 22.0 | 1.24 | 11.9 | Plant City† | 81 | 29 | 57.1 | 3.37 | 3.37 |
| Santa Monica* ⁵ | 69 | 41 | 58.5 | 3.75 | | Millbrook† | 61 | —8 | 30.0 | 0.36 | 7.2 | St. Francis† | 81 | 33 | 57.4 | 6.10 | 6.10 |
| Santa Paula b† | 82 | 35 | 55.1 | 5.66 | | Minneapolis† | 68 | 2 | 38.4 | 0.66 | — | St. Francis Barracks | 72 | 39 | 52.6 | 4.40 | 4.40 |
| Santa Rosa* ⁵ | 62 | 25 | 47.6 | 10.57 | | Monte Vista | 44 | -12 | 21.9 | 0.05 | 1.0 | Tallahassee† | 74 | 33 | 50.7 | 5.41 | 5.41 |
| Saticoy | — | — | — | 5.53 | | Montrose† | 58 | —1 | 31.2 | 0.84 | — | Tarpon Springs† | 78 | 28 | 54.6 | 4.58 | 4.58 |
| Shasta. | — | — | — | 27.67 | | Moraine† | 53 | 7 | 31.7 | 0.53 | 6.5 | Georgia. | — | — | — | — | — |
| Shasta Springs† | 54 | 18 | 37.7 | 13.25 | 2.0 | Ouray† | 47 | 9 | 28.8 | 1.70 | 17.0 | Adairsville† | 64 | 11 | 39.8 | 3.64 | 3.64 |
| S. E. Farallone L. H. | 66 | 31 | 51.0 | 6.96 | | Pagoda | 50 | -16 | 23.4 | 1.70 | 17.0 | Albany† | 68 | 17 | 46.8 | 3.66 | 3.66 |
| Stanford University | 67 | 28 | 49.2 | 6.09 | | Paonia† | — | — | — | 1.13 | — | Americus† | 71 | 14 | 45.4 | 4.45 | 4.45 |
| Stockton a | 67 | 23 | 40.5 | 21.56 | 4.0 | Parachute† | 46 | —8 | 23.2 | 0.38 | 1.0 | Blakely* ⁵ | 70 | 18 | 48.1 | 4.15 | 4.15 |
| Summerdale*† | 62 | 23 | 40.5 | 21.56 | | Pueblo | — | — | — | 0.5 | — | Brag | 80 | 14 | 47.5 | 3.35 | 3.35 |
| Susanville† | 53 | 21 | 38.0 | 6.94 | 2.0 | Rangely† | 64 | -20 | 14.8 | 0.50 | 5.0 | Canton† | 62 | 12 | 38.3 | 4.44 | 4.44 |
| Sutter Creek* ⁵ | 58 | 24 | 42.8 | 7.26 | | Redclif | 48 | —3 | 36.1 | 2.40 | 24.0 | Clayton† | 62 | 12 | 38.3 | 5.20 | 5.20 |
| Tecarte Dam* ⁴ | 83 | 20 | 41.6 | 2.04 | | Riverbend*† | 70 | 2 | 35.8 | — | 1.0 | Columbus | — | — | — | 4.47 | 4.47 |
| Tehama* ⁵ | 68 | 32 | 52.2 | 11.15 | | Rockyford† | 67 | 4 | 35.1 | 0.32 | — | Covington | 69 | 11 | 41.6 | 4.59 | 4.59 |
| Tejon Ranch | — | — | — | 1.90 | | Ruby† | — | — | — | 7.69 | 77.0 | Dahlonega† | 66 | 9 | 40.8 | 4.57 | 4.57 |
| Templeton* ⁵ | 68 | 20 | 48.6 | 4.99 | | Saguache† | 45 | -4 | 22.8 | 0.25 | 2.5 | Diamond† | 65 | 5 | 38.4 | 3.32 | 3.32 |
| Trinidad L. H. | — | — | — | 8.46 | | Saint Cloud† | — | — | — | 0.20 | 2.0 | Dublin b† | — | — | — | 3.98 | 3.98 |
| Truckee* ⁵ | 44 | 0 | 27.4 | 7.07 | 16.5 | San Luis† | 57 | -17 | 22.4 | 0.11 | 1.2 | Elberton | 70 | 18 | 43.3 | 5.45 | 5.45 |
| Tulare b | — | — | — | 2.19 | | Santa Clara*† | 52 | 0 | 30.8 | 1.40 | 14.0 | Fleming† | 71 | 15 | 46.9 | 3.75 | 3.75 |
| Tulare c | 74 | 24 | 52.0 | 1.78 | | Seibert† | — | — | — | 0.85 | 3.0 | Forsyth*† | 70 | 19 | 48.5 | 3.88 | 3.88 |
| Turlock b† | 69 | 23 | 49.1 | 3.36 | | Smoky Hill Mine† | 65 | —1 | 35.0 | 1.10 | 11.0 | Fort Gaines† | 67 | 18 | 45.6 | 3.95 | 3.95 |
| Ukiah | 62 | 28 | 47.5 | 16.93 | | Stamford*† | 52 | 6 | 26.6 | 1.40 | 14.0 | Gillisville† | 67 | 12 | 40.7 | 4.45 | 4.45 |
| Upper Lake. | 64 | 26 | 46.3 | 11.18 | | Sulphur Springs | 41 | -10 | 18.2 | 1.95 | 19.5 | Hephzibah*† | 66 | 23 | 46.3 | 4.30 | 4.30 |
| Upper Mattole*† | 69 | 36 | 52.8 | 26.22 | | Surface Creek† | 50 | 4 | 30.3 | 1.12 | 3.0 | Lagrange† | 67 | 14 | 43.7 | 4.98 | 4.98 |
| Vacaville a* ¹ | 62 | 30 | 50.4 | 14.46 | | Thorn† | 68 | 1 | 36.6 | 0.17 | 2.5 | Louisville† | 70 | 14 | 42.8 | 3.31 | 3.31 |
| Ventura† | 80 | 37 | 55.9 | 5.13 | | T. S. Ranch† | 53 | 5 | 32.3 | 0.50 | — | Lumpkin | 72 | 19 | 47.4 | 3.61 | 3.61 |
| Volcano Springs* ⁵ | 83 | 31 | 57.3 | 0.00 | | Twin Lakes | — | — | — | 4.80 | 48.0 | Macon† | — | — | — | 3.58 | 3.58 |
| Walnut Creek. | 65 | 28 | 50.8 | 11.05 | | Villas | — | — | — | 0.58 | T. | Marietta† | 68 | 12 | 40.6 | 4.01 | 4.01 |
| Washington* ¹ | 63 | 20 | 44.2 | 24.12 | | Wallet† | — | — | — | 0.82 | 2.0 | Marshallville† | 70 | 18 | 46.8 | 3.25 | 3.25 |
| West Point† | — | — | — | 12.90 | | Watkins*† | 58 | -2 | 30.9 | — | T. | Milledgeville† | 72 | 16 | 43.8 | 3.94 | 3.94 |
| Wheatland | 61 | 27 | 47.5 | 8.54 | | Wray† | 66 | -15 | 32.8 | 0.47 | 1.0 | Millen† | 74 | 16 | 45.0 | 3.05 | 3.05 |
| Williams* ⁵ | 68 | 28 | 50.1 | 7.47 | | Yuma | — | — | — | 0.60 | 2.0 | Monticello*† | 68 | 19 | 45.8 | 3.35 | 3.35 |
| Willows b* ⁵ | 65 | 28 | 50.7 | 9.96 | | Connecticut. | — | — | — | — | — | Morgan† | 71 | 15 | 47.4 | 4.01 | 4.01 |
| Wilmington* ⁵ | 74 | 36 | 60.8 | | | Bridgeport | 43 | —4 | 25.3 | 1.82 | 7.5 | Point Peter*† | 60 | 16 | 42.1 | 5.40 | 5.40 |
| Wire Bridge* ⁵ | 60 | 26 | 48.2 | 11.40 | | Canton† | 44 | -14 | 20.9 | 1.93 | 9.0 | Poulain† | 75 | 15 | 47.8 | 2.97 | 2.97 |
| Yerba Buena L. H. | — | — | — | 8.78 | | Colchester | 48 | —9 | 23.4 | 1.84 | 8.0 | Quitman† | 71 | 18 | 48.6 | 3.93 | 3.93 |
| Yreka† | 57 | 12 | 37.0 | 7.37 | | Falls Village | — | — | — | 1.11 | 11.2 | Ramsey† | 66 | 9 | 42.0 | 2.77 | 2.77 |
| Yuba City* ⁵ | 64 | 35 | 52.1 | 10.07 | | Greenfield Hill | — | — | — | 1.11 | — | Resaca† | — | — | — | 3.35 | 3.35 |
| Engineers Quarters† | — | — | — | 4.00 | | Hartford b. | — | — | — | 2.12 | 6.5 | Rome† | 68 | 14 | 41.2 | 4.06 | 4.06 |
| Morses House† | — | — | — | 5.95 | | Hartford c. | 44 | —7 | 24.4 | 1.60 | — | Talbotton† | 70 | 18 | 44.7 | 5.40 | 5.40 |
| Grass Valley† | — | — | — | 4.19 | | Lake Konomoc | 46 | —8 | 33.9 | 1.80 | 11.0 | Thomasville† | 72 | 20 | 49.8 | 4.05 | 4.05 |
| Deep Creek† | — | — | — | 5.55 | | New Haven | 44 | —2 | 26.0 | 0.50 | 6.0 | Tococa† | — | — | — | 4.60 | 4.60 |
| Holcomb Creek† | — | — | — | 1.56 | | North Grosvenor Dale | 39 | -14 | 19.6 | 2.50 | 10.2 | Washington† | 68* | 15* | 41.0* | 3.85 | 3.85 |
| Squirrel Inn† | — | — | — | 4.51 | | South Manchester | 46 | —7 | 23.6 | 1.35 | 5.5 | Whitesburg† | — | — | — | 6.47 | 6.47 |
| Green Valley† | — | — | — | 2.92 | | Southouthington*† | 39 | —8 | 22.8 | 1.80 | 8.0 | Idaho. | 50 | —10 | 27.6 | 2.32 | 2.32 |
| Tunnel No. 2†. | — | — | — | 1.17 | 4.8 | Storrs | 40 | -13 | 21.4 | 1.60 | 8.5 | American Falls† | 45 | 2 | 25.7 | 7.79 | 97.0 |
| Colorado. | — | — | — | — | | Thompson*† | 38 | -14 | 20.6 | — | — | Blackfoot† | 54 | —4 | 27.8 | 1.35 | T. |
| Alma† | 47 | —7 | 22.8 | 0.51 | 3.0 | Voluntown† | 45 | —9 | 24.2 | 2.10 | 7.0 | Bliss† | 50 | 0 | 28.8 | 3.68 | 3.68 |
| Antlers† | 49 | —7 | 25.8 | 0.80 | 7.0 | Wallingford† | — | — | — | 1.72 | 7.0 | Boise Barracks† | 57 | 4 | 33.2 | 3.72 | 3.72 |
| Arkins. | — | — | — | 0.62 | 7.5 | Waterbury | 39 | —9 | 24.0 | 2.37 | 12.0 | Cariboo. | 45 | 6 | 26.9 | 3.61 | 36.0 |
| Boxelder† | — | — | — | 0.53 | 5.0 | Westonbury | — | — | — | 1.7 | | | | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | |
|----------------------|-------------------------------|----------|-------|--------------------------|-------------------------|-------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|---------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | |
| <i>Idaho—Cont'd.</i> | | | | | | <i>Illinois—Cont'd.</i> | | | | | | <i>Iowa—Cont'd.</i> | | | | | | |
| Paris † | ° | ° | ° | In. | In. | Scales Mound † | ° | ° | ° | In. | In. | Estherville | ° | ° | ° | In. | In. | |
| Payette † | 46 | -10 | 23.8 | 1.71 | 8.2 | Springfield | 48 | -10 | 25.2 | 0.77 | 5.8 | Fairfield † | 53 | -7 | 26.0 | 0.63 | 4.2 | |
| Roseberry | 60 | -2 | 33.6 | 2.58 | 8.2 | Streator | 51 | -8 | 28.2 | 1.30 | 2.5 | Fayette † | 47 | -15 | 20.2 | 0.70 | 5.5 | |
| Saublair † | 48 | 1 | 24.8 | 2.81 | 8.0 | Sycamore *† | 48 | -10 | 26.0 | 0.50 | 0.5 | Forest City | 49 | -15 | 17.2 | 0.27 | 0.5 | |
| Soldier † | 51 | -16 | 27.3 | 6.40 | 14.4 | Tiskilwa *† | 48 | -8 | 25.8 | 1.16 | 1.0 | Fort Madison *† | 53 | -9 | 30.7 | 1.25 | 4.5 | |
| Swan Valley † | 38 | -20 | 18.4 | 7.85 | 58.2 | Tuscola *† | 53 | -5 | 30.9 | 0.91 | 0.5 | Galva | 53 | -12 | 29.0 | 0.93 | 1.1 | |
| Warren † | 57 | -11 | 22.8 | 1.33 | 4.0 | Walnut *† | 53 | -9 | 27.4 | 0.87 | 1.4 | Gardengrove | 50 | -11 | 23.6 | 0.57 | 3.0 | |
| | 56 | -21 | 28.5 | 4.88 | | Wheaton *† | 53 | -8 | 24.2 | 1.00 | 2.0 | Grand Meadow *† | 44 | -14 | 19.5 | 0.60 | 2.5 | |
| | | | | | | Winebago † | 47 | -10 | 25.4 | 0.65 | 4.0 | Greenfield † | 49 | -12 | 25.6 | 0.76 | 3.8 | |
| | | | | | | Zion † | 50 | -13 | 24.5 | 1.02 | 2.2 | Grinnell † | 47 | -16 | 20.8 | 0.22 | 1.0 | |
| | | | | | | | | | | | | Guthrie Center * | 53 | -11 | 27.6 | 0.10 | | |
| | | | | | | | | | | | | Hampton | 48 | -15 | 18.6 | 0.32 | 1.0 | |
| | | | | | | | | | | | | Hawkeye | 50 | -10 | 25.4 | 0.61 | 7.5 | |
| | | | | | | | | | | | | Hopewell † | 50 | -10 | 25.4 | 0.61 | 4.0 | |
| | | | | | | | | | | | | Humboldt † | 53 | -13 | 21.8 | 0.27 | 2.0 | |
| | | | | | | | | | | | | Independence † | 46 | -15 | 30.4 | 0.56 | 4.6 | |
| | | | | | | | | | | | | Indiana † | 51 | -12 | 25.0 | 0.22 | 0.8 | |
| | | | | | | | | | | | | Iowa City † | 52 | -11 | 25.7 | 0.70 | 4.5 | |
| | | | | | | | | | | | | Iowa City b | 54 | -10 | 25.4 | | | |
| | | | | | | | | | | | | Iowa Falls † | 46 | -19 | 19.6 | 0.34 | 0.7 | |
| | | | | | | | | | | | | Keokuk | 55 | -4 | 28.0 | 0.30 | 6.5 | |
| | | | | | | | | | | | | Kenosauqua † | 51 | -10 | 25.2 | 0.30 | 0.5 | |
| | | | | | | | | | | | | Knoxville | 56 | -14 | 22.5 | 0.28 | 0.4 | |
| | | | | | | | | | | | | Larrabee † | Le Claire † | 51 | -7 | 26.3 | 0.91 | |
| | | | | | | | | | | | | Lenox *† | 51 | -9 | 23.1 | 0.64 | 3.1 | |
| | | | | | | | | | | | | Logan † | 50 | -17 | 21.8 | 0.35 | 1.0 | |
| | | | | | | | | | | | | Madrid | 60 | -12 | 25.0 | 0.45 | 5.0 | |
| | | | | | | | | | | | | Marshall † | 51 | -18 | 21.6 | 0.15 | | |
| | | | | | | | | | | | | Mason City † | 47 | ..... | 0.33 | 1.5 | | |
| | | | | | | | | | | | | Maxon *† | 52 | -8 | 26.4 | 0.45 | 4.5 | |
| | | | | | | | | | | | | Mechanicsville | 51 | -10 | 23.9 | 0.72 | 5.5 | |
| | | | | | | | | | | | | Monticello *† | 43 | -17 | 19.9 | 0.42 | 3.0 | |
| | | | | | | | | | | | | Mount Ayr | 55 | -10 | 26.4 | 0.65 | 3.0 | |
| | | | | | | | | | | | | Mount Pleasant *† | 47 | -7 | 28.1 | 0.77 | 4.0 | |
| | | | | | | | | | | | | Mount Vernon *† | 51 | -15 | 23.9 | | | |
| | | | | | | | | | | | | Neola | 68 | -14 | 25.4 | 0.18 | 0.4 | |
| | | | | | | | | | | | | Newton † | 49 | -10 | 24.0 | 0.46 | 2.2 | |
| | | | | | | | | | | | | Ogden | 54 | -15 | 23.9 | 0.21 | 1.4 | |
| | | | | | | | | | | | | Osage *† | 52 | -16 | 17.8 | 0.34 | 2.3 | |
| | | | | | | | | | | | | Oskaloosa † | 50 | -10 | 24.8 | 0.30 | 1.8 | |
| | | | | | | | | | | | | Ottumwa | 58 | -7 | 27.1 | 1.15 | 8.0 | |
| | | | | | | | | | | | | Ovid † | 51 | -8 | 25.6 | 0.87 | 4.0 | |
| | | | | | | | | | | | | Panama ‡ | 51 | -12 | 21.2 | 0.10 | 0.7 | |
| | | | | | | | | | | | | Portsmouth | 65 | -9 | 27.2 | 0.05 | 0.6 | |
| | | | | | | | | | | | | Pringhar | 54 | -14 | 22.0 | 0.25 | 0.2 | |
| | | | | | | | | | | | | Rock Rapids | 54 | -18 | 22.6 | | T. | |
| | | | | | | | | | | | | Sac City † | 58 | -12 | 23.5 | 0.78 | 0.3 | |
| | | | | | | | | | | | | Seymour † | 52 | -8 | 25.8 | 2.10 | 8.0 | |
| | | | | | | | | | | | | Sibley | 59 | -13 | 24.0 | 0.35 | 1.0 | |
| | | | | | | | | | | | | Sidney | 59 | -8 | 25.8 | 0.78 | 6.2 | |
| | | | | | | | | | | | | Sioux City | 59 | ..... | 0.22 | 0.4 | | |
| | | | | | | | | | | | | Spirit Lake † | 54 | -14 | 19.0 | 0.08 | T. | |
| | | | | | | | | | | | | Toledo | 50 | -12 | 21.1 | 0.25 | 2.0 | |
| | | | | | | | | | | | | Villisca † | 52 | -9 | 24.3 | 0.49 | 2.8 | |
| | | | | | | | | | | | | Vinton † | 48 | -10 | 23.4 | 0.60 | 4.0 | |
| | | | | | | | | | | | | Washington † | 55 | -9 | 25.2 | 0.74 | 4.0 | |
| | | | | | | | | | | | | Waterloo | 48 | -14 | 20.8 | 0.51 | 3.2 | |
| | | | | | | | | | | | | Waukeen | 58 | -9 | 27.6 | 0.25 | | |
| | | | | | | | | | | | | Waverly ‡ | 58 | ..... | 18.8 | 0.43 | | |
| | | | | | | | | | | | | Westend † | 53 | -11 | 19.9 | 0.25 | 1.0 | |
| | | | | | | | | | | | | Wilton Junction † | 51 | -8 | 26.0 | 0.75 | 5.0 | |
| | | | | | | | | | | | | Wintersett | 50 | -13 | 22.9 | 0.60 | 6.0 | |
| | | | | | | | | | | | | Kansas | 62 | 0 | 32.0 | 1.33 | 2.0 | |
| | | | | | | | | | | | | Aibilene † | 65 | -10 | 33.9 | 0.39 | 0.2 | |
| | | | | | | | | | | | | Altoona *† | 59 | 6 | 34.6 | 0.48 | 2.0 | |
| | | | | | | | | | | | | Atchison † | 61 | -3 | 30.2 | 0.86 | 8.0 | |
| | | | | | | | | | | | | Augusta | 64 | 4 | 35.4 | 0.59 | | |
| | | | | | | | | | | | | Baker | 60 | -4 | 30.0 | 0.57 | 4.2 | |
| | | | | | | | | | | | | Beloit | 62 | -3 | 30.6 | 0.67 | 1.5 | |
| | | | | | | | | | | | | Blaine | 58 | -7 | 30.4 | 0.59 | 6.2 | |
| | | | | | | | | | | | | Burlington † | 60 | 2 | 32.2 | 0.45 | 1.5 | |
| | | | | | | | | | | | | Campbell | 60 | -5 | 30.5 | 0.44 | 2.9 | |
| | | | | | | | | | | | | Colby † | 63 | -10 | 34.2 | 0.48 | T. | |
| | | | | | | | | | | | | Coldwater † | 70 | 1 | 36.2 | 1.45 | 1.0 | |
| | | | | | | | | | | | | Dodge City | 64 | -6 | 37.7 | 0.25 | | |
| | | | | | | | | | | | | Columbus † | 59 | 5 | 34.2 | 0.63 | 2.5 | |
| | | | | | | | | | | | | Concordia | 60 | 0 | 34.1 | 0.90 | 1.6 | |
| | | | | | | | | | | | | Coolidge † | 65 | 0 | 34.1 | 0.90 | 1.0 | |
| | | | | | | | | | | | | Cunningham † | 68 | 2 | 34.4 | 0.71 | 3.5 | |
| | | | | | | | | | | | | Dodge City | 64 | ..... | 0.26 | T. | | |
| | | | | | | | | | | | | Downs | 64 | 4 | 37.7 | 0.25 | | |
| | | | | | | | | | | | | Dresden *† | 62 | -8 | 32.7 | 1.05 | T. | |
| | | | | | | | | | | | | Eldorado † | 60 | 2 | 32.2 | 0.60 | 1.0 | |
| | | | | | | | | | | | | Elk City * | 60 | 8 | 36.6 | 0.37 | 0.2 | |
| | | | | | | | | | | | | Ellinwood *† | 62 | 1 | 30.8 | 0.61 | 3.0 | |
| | | | | | | | | | | | | Emporia † | 60 | 2 | 34.5 | 0.30 | 3.0 | |
| | | | | | | | | | | | | Englewood † | 72 | 4 | 37.5 | 0.57 | | |
| | | | | | | | | | | | | Eureka † | 64 | ..... | 0.49 | | | |
| | | | | | | | | | | | | Eureka Ranch † | 65 | -7 | 33.8 | 0.68 | | |
| | | | | | | | | | | | | Fort Riley † | 63 | 0 | 33.6 | 0.26 | 0.5 | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | |
|-------------------------|-------------------------------|----------|--------|--------------------------|-------------------------|--|-------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--|---------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | |
| | | | | | | | | | | | | | | | | | | | | |
| Kansas—Cont'd. | ° | ° | ° | In. | In. | | Kentucky—Cont'd. | ° | ° | ° | In. | In. | | Maryland—Cont'd. | ° | ° | ° | In. | In. | |
| Fort Scott. | 66 | —4 | 33.0 | 0.60 | T. | | Shelbyville. | 59 | 2 | 34.7 | 0.91 | 0.1 | | Mt. St. Mary's College*1. | 56° | 5° | 31.1° | 0.96 | T. | |
| Frankfort. | 65 | —8 | 35.2 | 0.44 | T. | | Southfork†. | ..... | ..... | 34.1 | 1.32 | T. | | New Market. | 55 | —5 | 30.8 | 2.58 | T. | |
| Garden City. | 65 | — | 35.2 | 0.33 | T. | | Springfield†. | 67 | 2 | 35.0 | 1.44 | 1.2 | | Oakland†. | 52 | —7 | 27.2 | 2.18 | T. | |
| Garfield. | 64 | — | 35.2 | 0.33 | T. | | Williamsburg†. | ..... | ..... | 1.33 | | | | Pocomoke City. | 64 | —9 | 38.0 | 1.33 | T. | |
| Girard*1. | 58 | —3 | 33.7 | 0.41 | 2.0 | | Louisiana. | | | | | | | Princess Anne. | 61 | 4 | 32.6 | 1.21 | T. | |
| Goodland†. | 77 | —11 | 35.0 | 0.35 | T. | | Abbeville. | 75 | 24 | 51.8 | 1.95 | | | Sharpsburg. | 57 | 5 | 30.7 | 2.70 | T. | |
| Gove*†. | 69 | —3 | 34.0 | 0.78 | | | Alexandria†. | 75 | 20 | 48.2 | 4.80 | | | Solomont†. | 61 | 11 | 34.9 | 1.54 | T. | |
| Grainfield*4. | 72 | 0 | 41.5 | T. | T. | | Amitet†. | 76 | 18 | 50.4 | 2.59 | | | Sunnyside. | 50 | —6 | 25.1 | 1.73 | 8.5 | |
| Greensburg†. | 68 | 1 | 36.6 | 1.01 | T. | | Bastrop†. | 75 | 17 | 45.5 | 3.47 | | | Upper Marlboro†. | 59 | 4 | 31.8 | 1.86 | 0.5 | |
| Grenola*1. | 64 | —5 | 35.4 | 0.35 | T. | | Baton Rouge†. | 74 | 20 | 49.5 | 1.60 | | | Western Port. | 54 | 0 | 28.6 | 2.02 | 0.7 | |
| Halestead. | 62 | —2 | 32.8 | 0.48 | 0.5 | | Calhoun†. | 70 | 12 | 44.8 | 3.41 | | | Westminster. | 54 | 4 | 32.0 | 2.07 | 0.4 | |
| Hays†. | 68 | —11 | 32.4 | 0.50 | | | Cameron†. | 75 | — | — | 3.05 | | | Woodstock. | 55 | 5 | 31.4 | 1.76 | 0.5 | |
| Horton†. | 56 | —2 | 30.4 | 0.73 | 6.0 | | Cheneyville†. | 72 | 18 | 46.8 | 4.45 | | | Massachusetts. | | | | | | |
| Hutchinson†. | 74 | — | 38.2 | 0.72 | 1.5 | | Coushatta†. | 72 | 16 | 43.8 | 3.81 | | | Adams. | 40 | —16 | 21.1 | 14.0 | | |
| Independence†. | 61 | —6 | 35.3 | 0.43 | 1.2 | | Covington. | 75 | 16 | 47.4 | 1.54 | | | Amherst. | 42 | —13 | 21.8 | 0.91 | 6.5 | |
| Jaguat†. | 63 | —3 | 38.1 | 0.39 | 1.0 | | Donaldsonville†. | 80 | 24 | 52.0 | 2.13 | | | Amherst Ex. Station b. | 41 | —12 | 23.2 | 1.07 | 6.5 | |
| Lawrence ¹ . | — | 2 | 31.8 | 0.90 | 5.0 | | Elm Hall. | 77 | 21 | 51.4 | 1.18 | | | Andover. | 44 | —13 | 21.9 | 1.55 | 3.0 | |
| Lebot†. | 62 | —2 | 32.8 | 0.72 | 3.2 | | Emilie†. | 75 | 23 | 50.8 | 1.75 | | | Ashland. | — | — | — | 2.30 | | |
| Lyons. | 95 | —2 | 34.5 | 0.57 | 0.4 | | Farmerville. | 73 | 17 | 44.7 | 4.88 | | | Attleboro. | — | — | — | 1.92 | | |
| Macksville†. | 63 | 1 | 33.9 | 0.90 | T. | | Franklin†. | 75 | 22 | 51.0 | 2.32 | | | Bedford. | 42 | —11 | 21.5 | 2.17 | 13.0 | |
| McPherson†. | 68 | — | 33.9 | 0.58 | | | Grand Coteau. | 73 | 25 | 51.4 | 1.70 | | | Beverly Farms. | 42 | —13 | 22.8 | 3.14 | 11.0 | |
| Manhattan b. | 65 | —1 | 32.2 | 0.31 | 2.2 | | Hammond†. | 78 | 20 | 49.9 | 2.44 | | | Bluehill (summit). | 41 | —14 | 21.7 | 2.71 | 13.0 | |
| Marion†. | 63 | —2 | 38.8 | 1.00 | | | Jeanerette†. | 79 | 23 | 53.1 | 2.84 | | | Bluehill (valley). | 42 | —12 | 20.9 | 2.48 | | |
| Meade†. | 71 | 3 | 41.9 | 0.69 | | | Lafayette†. | 77 | 21 | 52.2 | 2.70 | | | Boston a. | — | — | — | 2.03 | 8.8 | |
| Medicine Lodge†. | 67 | 6 | 35.2 | 0.85 | 3.0 | | Lake Charles†. | 73 | 25 | 50.9 | 2.32 | | | Boston (W. B.). | — | — | — | — | 9.5 | |
| Minneapolis†. | 61 | —2 | 32.3 | 0.84 | 1.0 | | Lawrence†. | 83 | 29 | 50.4 | 2.95 | | | Brookton a. | 55 | —12 | 24.0 | 1.69 | 9.8 | |
| Morantown†. | 57 | —4 | 32.8 | 0.84 | 1.4 | | Liberty Hill. | 77 | 16 | 46.6 | 5.69 | | | Brookton b. | — | — | — | 2.14 | | |
| Morland†. | 66 | —8 | 33.8 | 0.30 | | | Maurepas s. | 78 | 19 | 48.2 | 2.73 | | | Brookton c. | — | — | — | 1.84 | | |
| Morton†. | 68 | 0 | 37.6 | 0.45 | T. | | Melville†. | 73 | 18 | 49.7 | 1.16 | | | Cambridge a. | 43 | —10 | 25.5 | 3.06 | | |
| Mount hope*1. | 68 | 4 | 36.8 | 0.46 | 1.0 | | Monroe†. | 70 | 20 | 46.2 | 3.00 | | | Cambridge b. | 43 | —10 | 22.0 | 2.46 | | |
| Ness City†. | 60 | 9 | 38.6 | 0.65 | | | Natchitoches. | 75 | 15 | 45.3 | 4.02 | | | Chestnut Hill. | 46 | —12 | 23.2 | 2.90 | 10.0 | |
| New England Ranch†. | 64 | —1 | 36.6 | 0.58 | | | New Iberia. | 76 | 25 | 52.0 | 2.10 | | | Clinton. | — | — | — | 1.88 | | |
| Norton. | 60 | —7 | 38.6 | 0.45 | T. | | Oakridge†. | 73 | 18 | 44.3 | 3.11 | | | Cohasset. | — | — | — | 3.05 | 7.0 | |
| Norwich*1. | 70 | 4 | 38.1 | 0.82 | 4.0 | | Opelousas†. | 73 | 18 | 49.8 | 3.04 | | | Concord†. | 43 | —12 | 20.7 | 1.83 | 10.5 | |
| Oberlin†. | — | — | — | 0.40 | | | Oxford†. | 73 | 14 | 45.6 | 4.02 | | | Dudley†. | 38* | —15 | 21.6 | 1.25 | 8.5 | |
| Olathe†. | 56 | 0 | 31.0 | 1.28 | 5.0 | | Paincourtville†. | 81 | 23 | 52.9 | 2.18 | | | East Templeton*1. | 38 | —17 | 19.8 | 1.62 | 14.0 | |
| Oswego†. | 65 | 6 | 37.4 | 0.65 | 3.0 | | Plain Dealing†. | 69 | 17 | 44.0 | 7.79 | | | Egg Rock, Nahant. | 45 | —12 | 24.3 | | | |
| Ottawa†. | 57 | 2 | 33.0 | 0.35 | 0.8 | | Rayne†. | 76 | 26 | 52.4 | 1.86 | | | Fallriver. | 43 | —10 | 25.4 | 2.32 | 13.5 | |
| Paola†. | 58 | 5 | 32.2 | 0.35 | 2.0 | | Ruston†. | 71 | 15 | 46.0 | 4.79 | | | Fiske Dale. | 38 | —12 | 20.9 | 2.37 | 14.0 | |
| Phillipsburg. | 62 | —6 | 34.2 | 1.23 | 5.0 | | Schriever†. | 77 | 21 | 49.6 | 1.45 | | | Fitchburg a*1. | 38 | —14 | 21.1 | 1.34 | 14.8 | |
| Pleasant Dale†. | 67 | —3 | 34.2 | 0.84 | | | Shellbeach. | 62 | 27 | 47.4 | 4.67 | | | Fitchburg b. | 42 | —14 | 21.1 | 1.34 | | |
| Pratt. | 68 | 2 | 34.4 | 0.61 | 1.0 | | Southern University†. | 75 | 24 | 50.7 | 2.90 | | | Florida. | — | — | — | 1.20 | 14.0 | |
| Rome*1. | 62 | 7 | 37.0 | 1.12 | 2.0 | | Sugar Ex. Station†. | 77 | 24 | 50.4 | 2.94 | | | Framingham. | 42 | —11 | 22.6 | 2.43 | | |
| Russell†. | 65 | —2 | 34.6 | 0.73 | | | Sugartown†. | 70 | 21 | 50.4 | 5.39 | | | Groton. | 42 | —14 | 20.3 | 2.14 | 19.5 | |
| Salina†. | 62 | —1 | 32.6 | 0.40 | 1.0 | | Thibodeaux. | — | — | — | — | | | Hadley. | 38 | —12 | 18.6 | — | | |
| Scott City†. | 67 | —14 | 36.6 | 0.65 | | | Trinity†. | 74 | 19 | 48.6 | 8.71 | | | Hingham. | — | — | — | 2.44 | 9.8 | |
| Sedan†. | 68 | —7 | 37.8 | 0.54 | T. | | Venice†. | 77 | 31 | 53.6 | 1.52 | | | Hobbs Brook. | — | — | — | 2.33 | 10.5 | |
| Sharon Springs*1. | 68 | —10 | 35.9 | 0.25 | | | Wallace. | 77 | 25 | 51.6 | 1.95 | | | Hyannis*†. | 48 | —8 | 29.7 | 2.48 | 12.0 | |
| Topeka. | — | — | — | 0.50 | | | West End. | — | — | — | 2.02 | | | Hydepark*†. | — | — | — | — | 11.0 | |
| Tribune†. | — | — | — | 0.60 | | | White Sulphur Springs†. | 74 | 18 | 46.2 | 7.95 | | | Lake Cochituate. | — | — | — | 2.43 | | |
| Ulysses†. | — | — | — | 0.60 | | | Bar Harbor. | 44 | —17 | 19.4 | 1.47 | 9.5 | | Lawrence. | 42 | —14 | 21.1 | 1.61 | 10.5 | |
| Wakefield*1. | 63 | —1 | 35.4 | 0.26 | 1.4 | | Belfast*6. | 39 | —16 | 17.4 | 0.98 | 8.0 | | Leeds. | 42 | —11 | 19.6 | 1.99 | 12.5 | |
| Wallace*1. | 60 | —18 | 34.1 | 0.16 | 1.0 | | Cornish†. | 36 | —15 | 18.5 | 1.50 | 15.0 | | Leicester. | 38 | —16 | 18.9 | 1.78 | 9.8 | |
| Wamego*1. | 60 | 0 | 30.8 | 0.40 | 4.0 | | Eastport. | 41 | —21 | 16.8 | 0.81 | 7.7 | | Leominster. | — | — | — | 1.63 | 15.0 | |
| Wellington*1. | 66 | 8 | 38.0 | 0.49 | 2.0 | | Fairfield. | — | — | — | — | | | Long Plain*6. | 44 | —12 | 24.1 | 2.35 | 14.5 | |
| Winfeld*5. | 62 | 6 | 35.6 | 0.78 | 1.5 | | Farmington†. | — | — | — | — | | | Lowell a. | 41 | —12 | 21.1 | 2.24 | | |
| Winona*1. | 66 | —8 | 32.9 | 1.00 | 0.2 | | Flagstaff†. | 35* | —24* | 11.2* | 1.20 | 12.0 | | Lowell b. | 42 | —14 | 20.0 | | | |
| Yates Center†. | 62 | 2 | 32.4 | 0.57 | 3.0 | | Gardiner. | 48 | —16 | 18.8 | 0.87 | 8.0 | | Ludlow Center. | 36 | —10 | 20.0 | 0.92 | 8.0 | |
| Kentucky. | — | — | — | — | — | | Houlton†. | 35 | —17 | 10.9 | 0.85 | 8.5 | | Lynn a. | 46 | —12 | 21.6 | 2.78 | 8.3 | |
| Alpha†. | 74 | 6 | 40.6 | 0.86 | T. | | Kineo†. | 34 | —23 | 11.8 | 0.37 | 9.5 | | Lynn b. | 42 | —10 | 23.8 | | 8.0 | |
| Anchorage. | 59 | 2 | 35.0 | 0.75 | T. | | Lewiston. | 40 | —14 | 18.7 | 1.04 | 8.4 | | Mansfield*1. | 42 | —13 | 23.1 | 2.92 | 11.5 | |
| Blandville†. | 61 | 3 | 35.9 | 1.70 | T. | | Mayfield. | 33* | —23* | 13.4* | 0.94 | 10.5 | | Middleboro. | 44 | —10 | 23.6 | 2.36 | 15.1 | |
| Bowling Green a*1. | 62 | 4 | 36.2 | 1.15 | | | North Bridgton. | 39 | —14 | 17.2 | 0.97 | 9.8 | | Milton. | 46 | —10 | 25.1 | 2.33 | 12.0 | |
| Bowling Green b†. | 64 | 6 | 36.8 | 1.40 | | | Petit Menan*1. | 40 | —12 | 21.0 | | | | Monroe. | 36 | —20 | 16.2 | 1.41 | 22.5 | |
| Burnside†. | — | — | — | 1.05 | | | Portland. | — | — | — | — | 13.3 | | Monson. | 42 | —17 | 25.3 | 1.79 | 9.0 | |
| Caddo†. | 56 | —3 | 31.6</ | | | | | | | | | | | | | | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|----------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| <i>Massachusetts—Cont'd.</i> | 0 | 0 | 0 | Ins. | Ins. | <i>Minnesota—Cont'd.</i> | 0 | 0 | 0 | Ins. | Ins. | <i>Mississippi—Cont'd.</i> | 0 | 0 | 0 | Ins. | Ins. |
| Westboro † | 42 | -11 | 21.8 | 2.15 | 13.0 | Bonniwell † | 45 | -20 | 13.6 | 0.25 | 2.5 | Okolona † | 65 | 11 | 41.2 | 2.40 | |
| Williamstown *1 | 37 | -14 | 21.1 | 0.71 | 7.1 | Breeze † | 36 | -48 | 0.4 | 0.67 | 9.1 | Palo Alto | 66 | 17 | 43.0 | 2.61 | T. |
| Winchendon | | | | 1.14 | 15.0 | Caledonia † | 43 | -21 | 17.7 | 0.58 | 5.2 | Pontotoc † | 68 | 15 | 43.8 | 3.85 | |
| Winchester | | | | 1.94 | | Cambridge † | 44 | -22 | 12.5 | 0.88 | 5.5 | Port Gibson † | 74 | 18 | 46.2 | 8.41 | |
| Woods Hole | | | | | 7.0 | Camden † | 51 | -17 | 16.3 | 0.55 | 4.0 | Rosedale † | 68 | 16 | 42.3 | 4.92 | |
| Worcester a | 40 | -15 | 20.6 | 1.67 | | Collegeville | 43 | -32 | 15.2 | 0.97 | 4.9 | Stone Mountain *1 | 76 | 20 | 47.5 | | |
| Worcester b | 40 | -12 | 23.2 | 1.98 | 8.0 | Crookston † | 39 | -36 | 0.1 | 1.58 | 7.8 | Thornton † | 68 | 18 | 50.7 | 4.50 | T. |
| <i>Michigan.</i> | | | | | | Dawson *1 | 46 | -21 | 8.8 | 0.59 | 6.3 | Topton *5 | 70 | 22 | 48.0 | 3.40 | |
| Adrian | 47 | -14 | 24.3 | 1.74 | 3.2 | Detroit City † | 47 | -36 | 8.2 | 0.20 | 2.0 | Vaden † | 76 | 14 | 45.4 | 4.21 | |
| Albion | 45 | -2 | 27.8 | 0.55 | 1.0 | Duluth | | | | | | Water Valley *† | 67 | 15 | 42.4 | 4.01 | |
| Allegan | 45 | -6 | 26.2 | 1.13 | 5.0 | Faribault † | 47 | -18 | 18.0 | 0.26 | 2.5 | Waynesboro a† | 68 | 20 | 44.6 | 4.45 | |
| Alma | 44 | -8 | 23.1 | 2.00 | 7.4 | Farmington † | 45 | -24 | 14.9 | 0.98 | 9.0 | Woodville † | 75 | 19 | 48.2 | 6.15 | |
| Alpena | | | | | | Fergus Falls † | 42 | -23 | 10.4 | 0.90 | 7.1 | Yazoo City † | 73 | 10 | 42.8 | 3.80 | |
| Ann Arbor | 43 | -5 | 24.0 | 0.95 | 3.0 | Granite Falls † | 51 | -19 | 13.3 | 0.10 | | <i>Missouri.</i> | | | | | |
| Arbela | 42 | -7 | 24.0 | 1.11 | 4.5 | Hutchinson † | 45 | -20 | 13.3 | 0.42 | 4.2 | Akron | | | | | |
| Ball Mountain | 42 | -11 | 23.1 | 1.15 | 6.7 | Koochiching † | 40 | -49 | 13.6 | | | Appleton City † | 58 | 4 | 33.3 | 0.38 | 3.0 |
| Battle Creek | 42 | -7 | 24.9 | 1.49 | 4.4 | Lake Winnibigoshish † | 39 | -35 | 7.0 | 0.88 | 13.4 | Arthur *† | 5 | 31.5 | 0.30 | 8.0 | |
| Baraga | 38 | -5 | 19.6 | 2.58 | 29.5 | Leech Lake † | 44 | -48 | 5.2 | 1.26 | 12.6 | Bethany | | | | | |
| Benton Harbor | 50 | 3 | 26.8 | 1.80 | 6.4 | Long Prairie † | 41 | -23 | 10.8 | 0.80 | 8.2 | Big Piney | | | | | |
| Benzonia | 39 | -2 | 22.6 | 1.51 | 15.1 | Lutsen † | 37 | -25 | 13.2 | 0.25 | 29.0 | Birchtree | 63 | 4 | 36.8 | 1.22 | 0.8 |
| Berlin *1 | 47 | -8 | 24.0 | 0.98 | 5.5 | Maplewood *1 | 49 | -15 | 18.2 | 0.25 | 2.6 | Boonville † | | | | | |
| Berrien Springs | 49 | 1 | 26.7 | 1.90 | 14.0 | Minneapolis a† | 42 | -20 | 17.3 | 0.77 | 2.7 | Brunswick | 58 | -1 | 30.9 | 0.70 | |
| Birmingham | 43 | -5 | 24.9 | 0.63 | 2.5 | Minneapolis b† | 43 | -21 | 15.0 | 0.85 | 6.6 | Carrollton † | 55 | 3 | 32.0 | 0.70 | 4.0 |
| Boon | 46 | -25 | 20.8 | 0.99 | 9.6 | Minneapolis (W. B.) | 44* | -30 | 15.0 | 0.77 | 7.5 | Cedar Gap *5 | 64 | 4 | 37.0 | 1.30 | T. |
| Bronson | 38 | -8 | 23.0 | 1.24 | 1.5 | Montevideo † | 46 | -20 | 19.4 | 0.52 | 4.5 | Columbia | | | | | |
| Calumet | 37 | -7 | 17.8 | 2.38 | 29.0 | Morristown † | 50 | -24 | 11.5 | 0.40 | 4.0 | Conception | | | | | |
| Charlevoix | 38 | -2 | 23.4 | 0.79 | 8.9 | Mount Iron † | 36 | -38 | 6.8 | 1.55 | 15.5 | Cowgill *4 | 52 | 2 | 30.2 | 0.27 | 2.0 |
| Cheboygan | 36 | -10 | 19.7 | 2.40 | 27.9 | New London | 47 | -24 | 11.4 | 0.21 | 2.1 | Darksville † | 54 | 0 | 32.0 | 0.88 | 3.5 |
| Clinton | 48 | -8 | 24.2 | 1.30 | 0.5 | New Richland *1 | 48 | -22 | 19.4 | | | Downing | 60 | 0 | 39.8 | 0.70 | 3.0 |
| Detroit | | | | | | New Ulm † | 50 | -18 | 18.0 | 0.38 | 2.3 | East Lynde *3 | 52 | 2 | 30.8 | 0.48 | 4.0 |
| Fairview | 41 | -7 | 22.6 | 0.58 | 1.9 | Park Rapids † | 41 | -41 | 7.5 | 0.92 | 8.0 | Edgewise *5 | 58 | 4 | 35.6 | 1.07 | 0.5 |
| Fitchburg | 43 | -12 | 23.1 | 1.35 | 4.5 | Pine River *1 | 47 | -27 | 9.4 | 1.89 | 18.8 | Eight Mile *1 | 56 | 1 | 32.5 | 0.61 | 8.0 |
| Flint | 46 | -10 | 23.2 | 0.45 | | Pleasant Mounds † | 53 | -16 | 19.6 | 0.30 | 1.0 | Eldon *1 | 60 | 4 | 35.0 | 1.30 | 2.0 |
| Gladwin | 41 | -2 | 24.4 | 0.60 | 6.0 | Pokegama Falls † | 34* | -45 | 5.4 | 0.88 | 9.0 | Elmina | 67 | 3 | 29.6 | 0.81 | 7.2 |
| Grand Haven | | | | | | Red Lake † | 42 | -39 | 6.4 | 0.51 | 10.0 | Emma *4 | 54 | 4 | 38.1 | 0.45 | 2.0 |
| Grand Rapids a | 46 | -13 | 25.4 | 1.44 | 10.4 | Rolling Green † | 50 | -14 | 18.9 | 0.60 | 1.8 | Fairport | | | | | |
| Grand Rapids b | 45 | -7 | 25.0 | 0.80 | | Roseau * | 36 | -43 | 0.8 | 0.75 | 4.9 | Farmersville | | | | | |
| Grape | 52 | -4 | 26.8 | 0.85 | 0.2 | St. Charles † | 45 | -20 | 17.1 | 0.57 | 5.2 | Fayette | 60 | 1 | 31.6 | 0.97 | 3.5 |
| Grayling | 38 | -13 | 19.6 | 1.85 | 18.5 | St. Cloud † | 42 | -35 | 11.5 | 1.05 | 8.0 | Fulton | | | | | |
| Hanover | 45 | -7 | 27.3 | 1.03 | 3.8 | St. Olaf † | 42 | -24 | 9.9 | 1.00 | 12.0 | Gallatin *1 | 52 | -4 | 29.3 | 0.95 | 5.0 |
| Harbor Springs | 38 | -9 | 22.4 | | | St. Paul † | 52 | -19 | 17.9 | 0.71 | 8.8 | Gayoso *3 | 18 | 36.3 | 2.94 | | |
| Harrison | 44 | -10 | 21.0 | 1.62 | 10.2 | St. Peter *† | 52 | -19 | 9.8 | 0.68 | 10.8 | Gordonville *3 | 9 | 34.8 | 3.13 | 0.5 | |
| Harrisville | 36 | -10 | 21.6 | 2.35 | 20.0 | Saint Vincent | 42 | -28 | 11.4 | 0.55 | 5.5 | Gorin *2 | 60 | 0 | 28.6 | 1.54 | 5.5 |
| Hart | 0 | | | 0.90 | 8.0 | Sandy Lake Dam † | 43 | -35 | 9.8 | 0.68 | 10.8 | Grovedale | | | | | |
| Hastings | 44 | -14 | 24.9 | 1.02 | 3.5 | Sauk Center | 42 | -28 | 11.4 | 0.55 | 5.5 | Halfway | 62 | 4 | 35.8 | 1.20 | 1.0 |
| Hayes | 38 | 0 | 24.6 | 0.94 | 8.0 | Shakopee *6 | 42 | -18 | 14.1 | | | Hannibal | | | | | |
| Hesperia | 39 | -11 | 24.1 | | | Sunrise *6 | 42 | -18 | 8.5 | | | Harrisonville † | 52 | 0 | 31.4 | 0.34 | 2.0 |
| Highland Station | 42 | -10 | 22.8 | 1.18 | 7.0 | Tower † | 40 | -43 | 8.5 | 1.10 | 11.0 | Hastain † | 61 | 2 | 33.8 | 1.14 | 4.0 |
| Holland *† | 45 | 4 | 28.0 | | | Two Harbors † | 49 | -27 | 16.4 | 0.71 | 9.5 | Hermann † | | | | | |
| Howell | 46 | -12 | 22.9 | 0.98 | 5.0 | Wabasha *1 | 48 | -20 | 17.6 | 0.88 | 7.5 | Houston | 68 | 6 | 37.3 | 0.55 | T. |
| Ivan | 44 | -6 | 21.5 | 1.28 | 8.0 | Willmar † | 45 | -21 | 11.2 | 0.35 | 4.2 | Houstonia (near) | | | | | |
| Jeddo | 38 | -5 | 22.4 | 0.86 | 3.2 | Winona † | 44 | -16 | 17.4 | 0.97 | 4.0 | Humansville | 62 | 1 | 34.4 | 0.42 | 2.0 |
| Kalamazoo | 46 | -3 | 24.0 | 1.56 | 12.5 | Worthington † | 48 | -15 | 18.0 | 0.68 | 0.5 | Irena | | | | | |
| Lansing | 45 | -8 | 23.0 | 1.11 | 2.5 | Zumbrota † | 46* | -23 | 17.5 | | | Ironton *† | 61 | 5 | 35.0 | 1.73 | 0.5 |
| Lathrop | 86 | -18 | 16.0 | 1.00 | 10.0 | <i>Mississippi.</i> | | | | | | Jefferson City † | 61 | 5 | 34.5 | 1.51 | 2.0 |
| Lewiston | 44 | -9 | 20.8 | 1.74 | | Agricultural College | 65 | 17 | 49.4 | 4.15 | T. | Kansas City | | | | | |
| Madison | 44 | -10 | 24.1 | 1.35 | 3.8 | Austin † | 66 | 16 | 45.6 | 6.15 | | Kidder | 52 | -3 | 28.2 | 1.31 | 3.8 |
| Manistique † | 37 | 8 | 24.7 | 1.41 | | Batesville † | 64 | 15 | 41.9 | 3.47 | | Lamar | 64 | 5 | 35.0 | 0.30 | 3.0 |
| Marquette | | | | | | Bay St. Louis | 62 | 25 | 49.0 | 2.95 | | Lamonte | | | | | |
| Mayville | 41 | -6 | 22.8 | 1.03 | 4.5 | Biloxi † | 66 | 32 | 47.6 | 2.60 | | Lebanon | 62 | 3 | 36.0 | 1.18 | 0.8 |
| Middle Island *1 | 40 | -27 | 27.6 | | | Briers † | 70 | 21 | 47.0 | 7.89 | | Lexington † | 60 | 1 | 31.8 | 0.72 | 3.0 |
| Mottville | 52 | -3 | 24.8 | 1.58 | 1.5 | Brookhaven † | 76 | 14 | 47.5 | 5.98 | | Liberty | 55 | 2 | 31.4 | 0.74 | 5.2 |
| Mount Pleasant | 46 | -10 | 22.3 | 1.25 | 4.0 | Canton † | 70 | 21 | 45.8 | 4.36 | | McCune *† | 62 | 2 | 33.7 | 2.44 | 2.5 |
| North Marshall | 41 | -8 | 22.5 | 1.12 | 1.0 | Columbus a† | 72 | 20 | 46.1 | 2.53 | | Mansfield | | | | | |
| Old Mission | 41 | 3 | 25.2 | 1.52 | 15.2 | Crystal Springs † | 72 | 18 | 45.4 | 4.88 | | Marble Hill | 61 | 6 | 35.6 | 2.55 | 0.5 |
| Olivet | 41 | -5 | 24.5 | 2.23 | 9.5 | Edwards | 74 | 18 | 45.4 | 4.88 | | Marceline | 54 | -2 | 30.1 | 0.82 | 5.0 |
| Ovid | 42 | -6 | 23.4 | 0.73 | 2.0 | Fayette † | 72 | 15 | 43.7 | 3.79 | | Marshall † | 58 | -1 | 30.2 | 0.68 | 3.0 |
| Owosso | 44 | -10 | 22.8 | 1.03 | 2.0 | French Camps † | 69 | 10 | 41.8 | 3.12 | | Maryville *4 | 53 | 6 | 25.3 | 1.12 | 4.8 |
| Parkville | | | | | | Fulton † | 65 | 12 | 41.4 | 2.37 | | Mexico † | 60 | 2 | 32.3 | 1.40 | 6.0 |
| Pontiac | 43 | -8 | 23.9 | | | Greenville a | 68 | 19 | 43.2 | 2.59 | | Miami | | | | | |
| Powers | 37 | -16 | 16.0 | | | Greenville b† | 68 | 13 | 41.2 | 3.29 | | Mine La Motte † | 62 | 5 | 35.4 | 1.31 | 0.1 |
| Rockland | 40 | -17 | 16.1 | 2.90 | 16.0 | Itasca † | 71 | 18* | 45.0 | 4.12 | | Mineralspring | 63 | 5 | 39.0 | 1.59 | 3.0 |
| Romeo | 44 | -7 | 24.2 | 1.70 | | Jackson † | 71 | 16 | 43.6 | 4.52 | | Mount Vernon | 60 | 1 | 32.4 | 1.03 | 4.0 |
| St. Ignace | 35 | -14 | 20.8 | 2.18 | 20.5 | Kosciusko † | 72 | 15 | 43.7 | 3.79 | | Neosho | 64 | 3 | 36.0 | 1.11 | 3.5 |
| St. Johns | 45 | -5 | 24.2 | 0.61 | 2.0 | Lake † | 66 | 35 | 46.4 | 3.29 | | Nevada | | | | | |
| Sand Beach a | 42</ | | | | | | | | | | | | | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|-----------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|-------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| <i>Missouri—Cont'd.</i> | o | o | o | In s. | In s. | <i>Nebraska—Cont'd.</i> | o | o | o | In s. | In s. | <i>Nevada.</i> | o | o | o | In s. | In s. |
| St. Joseph†. | 60 | 4 | 32.8 | 0.59 | 5.0 | Dunning* ¹ | 59 | -10 | 28.6 | 0.12 | 1.0 | Austin | 51 | 12 | 34.0 | 1.39 | 9.0 |
| St. Louis. | 60 | 4 | 32.8 | 1.52 | T. | Edgar* ¹ | 65 | -7 | 29.9 | 0.70 | 1.5 | Battle Mountain* ¹ | 53 | 12 | 35.3 | 0.60 | 2.5 |
| St. Louis (W. B.). | 60 | 6 | 32.4 | 0.75 | 3.4 | Ericson* ¹ | 65 | -9 | 26.1 | 0.05 | T. | Benton | 51 | 11 | 32.9 | 1.79 | 12.0 |
| Sarcocie* ³ | 6 | 32.4 | 1.60 | 5.0 | Fairbury†. | 58 | -3 | 29.9 | 0.18 | 1.0 | Beowawe* ¹ | 53 | 5 | 30.7 | 0.35 | 2.5 | |
| Sheibina. | 62 | 6 | 32.4 | 1.60 | 5.0 | Fairmont* ¹ | 63 | -5 | 31.0 | 0.53 | 0.5 | Candelaria | 63 | 10 | 40.8 | 0.90 | T. |
| Sikeston. | 63 | 10 | 30.7 | 2.15 | Fort Robinson | 62 | -17 | 30.0 | 1.30 | 13.0 | Carlin* ¹ | 51 | -10 | 32.4 | 0.87 | 1.2 | |
| Springfield. | 60 | 10 | 30.7 | 3.5 | Franklin†. | 65 | -7 | 31.8 | 0.70 | 2.0 | Carson City | 63 | 12 | 37.9 | 4.82 | 0.2 | |
| Steffenville. | 61 | — | 32.4 | 1.12 | 5.0 | Geneva†. | 64 | -7 | 29.5 | 0.47 | 0.6 | Carson City (W. B.) | 64 | — | 32.4 | 0.63 | 0.8 |
| Stellada†. | 61 | —1 | 32.4 | 0.50 | 5.0 | Genoa†. | 60 | -8 | 26.4 | 0.46 | 1.3 | Cloverdale* ² | 64 | — | 32.4 | 1.61 | 7.0 |
| Sublett. | 54 | —6 | 27.9 | 0.80 | 6.0 | Gering†. | 60 | -18 | 28.1 | 0.40 | 4.0 | Clover Valley†. | 63 | — | 32.0 | 2.60 | 22.0 |
| Tindall. | 59 | — | 28.9 | 0.60 | 6.0 | Gibbon. | 63 | -7 | 31.1 | T. | T. | Cortez†. | 63 | — | 32.0 | 1.00 | — |
| Trenton. | 50 | 0 | 28.9 | 0.70 | 7.0 | Gothenburg. | 63 | -10 | 32.8 | 0.36 | 0.5 | Crause Ranch | 63 | — | 32.0 | 1.05 | — |
| Unionville†. | 58 | —9 | 25.8 | 1.74 | 3.2 | Grand Island a* ¹ . | 64 | -5 | 29.8 | T. | T. | Darragh Ranch | 63 | — | 32.0 | 1.05 | — |
| Vermont* ¹ . | 59 | 3 | 31.8 | 0.71 | 5.0 | Grand Island b. | 62 | -7 | 29.1 | 0.14 | T. | Downeyville. | 63 | 20 | 41.2 | 0.68 | 1.0 |
| Virgil City. | 56 | 6 | 35.0 | 0.55 | 4.0 | Greeley. | 64 | — | 31.2 | T. | T. | Elko* ^s | 50 | —5 | 28.5 | 0.94 | 5.5 |
| Warrensburg* ¹ . | 62 | 1 | 32.8 | 1.51 | 2.0 | Haigner* ¹ | 78 | -14 | 30.3 | 0.42 | 0.8 | Elko (near). | 53 | -10 | 25.6 | 3.35 | 8.5 |
| Warrenton. | 62 | — | 32.8 | 0.65 | 4.0 | Hartington†. | 61 | -11 | 23.3 | 0.25 | 1.5 | Ely. | 55 | 5 | 30.8 | 0.65 | — |
| Wheatland. | 71 | 6 | 38.8 | 1.21 | 0.7 | Harvard* ¹ | 60 | -10 | 28.4 | 0.30 | 0.5 | Empire Ranch†. | 57 | 0 | 30.8 | 0.35 | 2.5 |
| Willow Springs. | 66 | 10 | 34.0 | 1.34 | 0.6 | Hastings* ¹ | 58 | -10 | 26.9 | 0.30 | 0.8 | Fenelon* ¹ | 51 | 20 | 37.0 | 0.98 | 5.5 |
| Zeitonia* ¹ . | — | — | — | — | Hayes Center†. | 64 | — | 29.8 | T. | T. | Genoa. | 57 | 11 | 38.0 | 6.08 | — | |
| <i>Montana.</i> | — | — | — | — | Hay Springs†. | 61 | -18 | 25.0 | 0.49 | 4.3 | Goleonda* ¹ | 56 | 14 | 35.6 | 0.65 | 0.5 | |
| Bigtimber†. | 63 | -14 | 28.0 | 0.31 | 5.5 | Hebron†. | 64 | -6 | 29.5 | 0.40 | 0.5 | Gold Hill. | 54 | 15 | 36.7 | 4.75 | 3.5 |
| Billings†. | 62 | -20 | 25.0 | 0.25 | 2.5 | Hickman* ⁵ | 62 | -8 | 30.6 | 0.31 | 3.1 | Halleck* ¹ | 55 | 10 | 26.0 | 0.97 | 5.5 |
| Bozeman†. | 65 | -17 | 24.4 | 0.50 | 5.0 | Imperial a†. | 64 | -15 | 30.9 | 0.50 | T. | Hamilton. | 79 | —7 | 34.0 | 1.71 | 17.1 |
| Butte†. | 48 | —8 | 26.2 | 0.30 | 4.7 | Imperial b. | 50 | -9 | 29.7 | 0.38 | T. | Hawthorne a* ^s | 57 | 21 | 40.9 | 1.03 | — |
| Chinook†. | 52 | -30 | 7.3 | 1.25 | 12.0 | Indianola* ⁵ | 65 | -18 | 31.2 | T. | T. | Hawthorne b. | 58 | 20 | 40.2 | 1.03 | — |
| Choteau†. | 64 | -26 | 19.0 | 1.45 | 13.5 | Kearney* ¹ | 66 | -10 | 29.9 | 0.30 | T. | Hot Springs* ¹ | 58 | 10 | 39.3 | 0.81 | 1.0 |
| Cokedale†. | 52 | -17 | 31.0 | 0.46 | 4.6 | Kennedy†. | 65 | -13 | 26.1 | 0.28 | T. | Humboldt* ¹ | 55 | 11 | 36.7 | 0.71 | T. |
| Columbia Falls†. | 50 | -12 | 23.2 | 2.51 | — | Kimball†. | 59 | -8 | 31.2 | 0.40 | 4.0 | Keyser Springs. | 56 | — | 32.0 | 0.02 | 0.2 |
| Deerlodge†. | 53 | -15 | 26.2 | 0.42 | 3.0 | Kirkwood* ¹ | 73 | -11 | 29.3 | 0.50 | T. | Las Vegas. | 63 | 15 | 40.1 | 0.11 | — |
| Dillon†. | 49 | -11 | 26.1 | 0.30 | 3.0 | Lexington†. | 63 | -10 | 31.2 | 0.38 | 1.0 | Lewers Ranch. | 59 | 17 | 38.4 | 10.70 | 1.8 |
| Fort Benton†. | 62 | -31 | 13.2 | 0.80 | 8.0 | Loup a. | 60 | -8 | 30.3 | 0.24 | T. | Lovelock* ¹ | 63 | 18 | 42.8 | 0.40 | 1.0 |
| Fort Custer†. | 50 | -30 | 20.1 | 0.21 | 2.1 | Loup b. | 60 | -8 | 30.7 | 0.26 | T. | Mill City* ¹ | 58 | 10 | 32.0 | 0.60 | 1.0 |
| Fort Keogh†. | 50 | -27 | 14.6 | 0.68 | 6.8 | Lynch†. | 62 | -10 | 24.3 | 0.16 | 0.2 | Oscela†. | 65 | 2 | 37.0 | 1.36 | 2.0 |
| Fort Logan†. | 56 | -32 | 22.6 | — | — | Lyon's. | 64 | — | 30.0 | 0.30 | 0.5 | Palisade* ¹ | 49 | 30 | 36.6 | 0.27 | 2.8 |
| Fort Missoula. | 50 | —6 | 23.7 | 1.41 | 14.3 | McCook* ¹ | 62 | -4 | 34.0 | 0.24 | T. | Palmetto. | 58 | 6 | 33.8 | 2.10 | 12.0 |
| Glasgow†. | 51 | -32 | 5.4 | 0.71 | — | McCool. | 62 | — | 31.2 | 0.53 | T. | Reno* ^s | 60 | 18 | 36.9 | 2.35 | — |
| Glendive†. | 50 | -29 | 10.2 | 1.70 | 17.0 | Madison* ¹ | 62 | -9 | 23.6 | 0.27 | 0.5 | Reno State University. | 60 | 14 | 36.9 | 2.87 | — |
| Greatfalls†. | 58 | -26 | 22.2 | 0.55 | 9.2 | Madrid* ⁵ | 65 | -10 | 29.4 | 0.50 | T. | Reese River. | — | — | — | 1.34 | 2.3 |
| Havre. | — | — | — | — | Marquette* ¹ | — | — | — | — | — | Ruby Valley†. | 59 | — | 36.8 | 0.92 | 9.5 | |
| Helena. | 50 | -33 | 21.4 | 2.31 | 24.0 | Minden a* ¹ | 62 | -7 | 29.7 | 0.75 | 0.6 | St. Clair. | 59 | 9 | 36.8 | 1.04 | 1.2 |
| Hogan†. | 50 | — | 21.4 | 2.31 | 24.0 | Minden b. | 62 | — | 29.7 | 0.37 | T. | St. Thomas. | 75 | 11 | 43.3 | 0.60 | — |
| Klipp†. | 52 | -41 | 13.1 | 1.35 | 13.0 | Nebraska City a. | 62 | -4 | 34.5 | 0.28 | 1.5 | San Antonio. | 54 | 10 | 35.8 | 1.12 | 7.6 |
| Lewistown†. | 52 | -33 | 19.4 | 1.63 | 16.5 | Nebraska City b* ¹ | 64 | -1 | 31.2 | 0.47 | 2.8 | Silverpeak. | 62 | 8 | 38.0 | 0.06 | — |
| Libby†. | 50 | -19 | 34.0 | 2.57 | 35.0 | Nemaha City* ¹ | 54 | -6 | 26.4 | 0.50 | 5.0 | Stofiel. | 45 | -26 | 19.8 | 1.88 | 8.5 |
| Livingston†. | 57 | -15 | 20.4 | 0.37 | 3.7 | Nesbit†. | 56 | -13 | 29.5 | 0.16 | T. | Sunnyside. | 63 | -15 | 29.7 | 1.03 | 2.0 |
| Manhattan†. | 53 | -14 | 24.8 | 0.05 | 0.5 | Norfolk†. | 59 | -10 | 25.6 | 0.27 | T. | Tecoma* ¹ . | 48 | 7 | 28.7 | 0.43 | 0.5 |
| Martinsdale†. | 49 | -25 | 23.2 | 0.65 | 6.5 | North Loup†. | 63 | -9 | 28.3 | 0.24 | T. | Toano* ¹ | 50 | 8 | 29.0 | 0.25 | 2.0 |
| Marysville†. | 49 | -25 | 22.8 | 1.60 | 20.0 | North Platte. | 60 | -11 | 34.3 | 0.13 | 0.6 | Tuscarora* ¹ | 49 | 14 | 29.4 | 1.87 | 7.2 |
| Miles City. | — | — | — | — | Oakdale†. | 60 | -6 | 31.0 | 0.15 | T. | Tybo. | 48 | 13 | 32.8 | 0.92 | 11.0 | |
| Musselshell†. | 59 | -30 | 18.4 | 0.35 | 3.5 | Odell* ⁵ | 60 | -6 | 31.0 | 0.15 | T. | Verdi* ¹ | 51 | 12 | 35.8 | 9.40 | — |
| Poplar. | 44 | -28 | 5.8 | 1.49 | 14.9 | Omaha (W. B.). | 64 | -9 | 23.6 | 0.27 | 0.5 | Wadsworth* ¹ | 68 | 8 | 34.0 | 3.22 | T. |
| Radersburg†. | — | — | — | — | O'Neill* ¹ | 64 | -12 | 25.1 | 0.32 | 0.5 | Wells. | 48 | -6 | 28.6 | 1.55 | 3.8 | |
| Reddlege†. | 55 | -21 | 23.8 | 0.65 | 6.5 | Ord. | 63 | -6 | 30.7 | 0.21 | T. | Winnemucca. | — | — | — | 3.4 | — |
| Sun River†. | 55 | -29 | 21.0 | 0.16 | 1.6 | Oscoola. | — | — | — | — | T. | New Hampshire. | 37 | -23 | 16.7 | 0.84 | 9.2 |
| Toston. | 45 | -17 | 25.0 | — | 2.0 | Palmer a* ¹ | 56 | -10 | 25.6 | 0.00 | T. | Alstead* ¹ | 37 | — | 22 | 0.84 | — |
| Troy†. | 45 | —9 | 25.1 | 4.04 | 13.0 | Palmer b* ¹ | 64 | -8 | 32.5 | 0.57 | 1.8 | Belmont. | 37 | -24 | 14.0 | 0.84 | — |
| Utica†. | 55 | -29 | 32.9 | 0.80 | 8.0 | Palmer c* ¹ | 64 | -8 | 32.0 | 0.17 | T. | Berlin. | 38 | -25 | 13.6 | 1.61 | 18.5 |
| Virginia City†. | 48 | —6 | 25.4 | 0.67 | 6.5 | Plattsmouth a†. | — | — | — | — | T. | Bethlehem. | 37 | -25 | 14.7 | 0.57 | 9.0 |
| White Sulphur Springs†. | 52 | -22 | 26.8 | 0.50 | 5.0 | Plattsmouth b. | 60 | -12 | 29.9 | 0.52 | 4.5 | Brookline* ¹ | 43 | -14 | 23.0 | 1.67 | 15.5 |
| Wibaux†. | 62 | -26 | 17.2 | 0.60 | 6.0 | Potter* ¹ | 58 | -12 | 28.0 | 0.27 | 5.0 | Concord. | 43 | -17 | 18.9 | 1.23 | 10.0 |
| Yale†. | 55 | -28 | 20.6 | 0.55 | 5.5 | Ravenna a. | 63 | -8 | 30.2 | 0.35 | 0.4 | Dublin. | 40 | -18 | 20.0 | 1.81 | 12.9 |
| <i>Nebraska.</i> | — | — | — | — | Redcloud a. | — | — | — | — | T. | Durham. | 44 | -14 | 20.5 | 1.15 | 11.5 | |
| Agee* ¹ . | 63 | -10 | 25.0 | 0.11 | 0.7 | Redcloud b* ¹ | 64 | -8 | 32.5 | 0.57 | 1.8 | Grafton†. | 37 | -20 | 15.9 | 0.54 | 8.5 |
| Albion. | 60 | -10 | 26.3 | 0.23 | 0.9 | Republican* ¹ | 62 | -8 | 32.0 | 0.25 | 1.5 | Hanover. | 37 | -19 | 16.9 | 0.67 | 9.8 |
| Alliance. | — | — | — | — | Rulo* ¹ | 56 | -2 | 32.5 | 0.40 | 4.0 | Keene. | 39 | -17 | 18.1 | 0.89 | 9.5 | |
| Ansley†. | 61 | -14 | 28.5 | 0.63 | 0.5 | St. Paul. | 63 | -8 | 30.4 | 0.21 | T. | Lakeport. | — | — | — | 0.92 | — |
| Arapaho. | — | — | — | — | Salem* ¹ | 60 | 3 | 33.2 | 0.32 | 3.2 | Mine Falls. | — | — | — | 1.92 | — | |
| Arborville* ¹ . | 60 | -6 | 29.6 | 0.30 | T. | Santee Agency†. | 61 | -12 | 24.5 | 0.07 | T. | Nashua. | 44 | -14 | 19.6 | 1.93 | 16.2 |
| Ashland a†. | 65 | —7 | 29.1 | 0.21 | 0.5 | Schuyler. | — | — | — | — | T. | Newton. | 43</td | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|----------------------------------|-------------------------------|-----------------|-------------------|--------------------------|---------------------------|-------------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|----------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| New Jersey—Cont'd. | ○ | ○ | ○ | In. | In. | New York—Cont'd. | ○ | ○ | ○ | In. | In. | North Carolina—Cont'd. | ○ | ○ | ○ | In. | In. |
| Chester | 44 | -6 | 24.4 | 1.35 | 4.5 | Canton †..... | 36 | -26 | 13.2 | 2.25 | 22.5 | Mocksville †..... | 67 | 13 | 39.6 | 2.24 | ..... |
| College Farm | 47 | 0 | 28.0 | 1.68 | T. | Carmel | 42 | -9 | 21.9 | 1.10 | 4.2 | Moncure †..... | 68 | 15 | 38.2 | 1.53 | ..... |
| Deckertown | 44 | -5 | 23.4 | 1.39 | 6.0 | Charlotte * ¹⁰ | 38 | -10 | 25.5 | ..... | ..... | Morganton * ¹¹ | 64 | 8 | 36.4 | 3.35 | ..... |
| Dover | 45 | -4 | 24.2 | 2.12 | 6.0 | Cherry Creek ..... | ..... | ..... | ..... | 3.60 | ..... | Mountairy †..... | 61 | 8 | 35.8 | 1.96 | ..... |
| Egg Harbor City | 58 | 1 | 29.4 | 2.56 | 0.5 | Cooperstown †..... | 36 | -21 | 17.0 | 1.48 | 12.0 | Mount Pleasant | 65 | 13 | 39.4 | 2.06 | ..... |
| Elizabeth † | 47 | -2 | 27.4 | 1.39 | 2.0 | Cortland | 40 | -23 | 20.0 | 1.86 | ..... | Murphy †..... | ..... | ..... | ..... | 2.64 | 0.5 |
| Englewood | 46 | -3 | 25.4 | 1.57 | 4.2 | De Kalb Junction ..... | ..... | ..... | ..... | 1.40 | ..... | Newbern †..... | 68 | 11 | 43.9 | 3.55 | ..... |
| Franklin Furnace | 45 | -6 | 23.6 | 1.47 | 3.5 | Demster ..... | ..... | ..... | ..... | 1.61 | ..... | Oakridge †..... | 70 | 12 | 38.9 | 1.82 | ..... |
| Freehold | 48 | -1 | 27.8 | 2.26 | 3.2 | Deposit ..... | ..... | ..... | ..... | 1.30 | ..... | Pantego ..... | ..... | ..... | ..... | 3.31 | ..... |
| Friesburg ..... | ..... | ..... | ..... | 1.23 | T. | Eagle Mills ..... | ..... | ..... | ..... | 1.30 | ..... | Pittsboro | 59 | 12 | 37.6 | 3.80 | ..... |
| Gillette | 48 | 0 | 26.2 | 1.29 | 3.0 | Easton ..... | ..... | ..... | ..... | 0.75 | ..... | Raleigh * ¹¹ | 60 | 14 | 41.5 | 2.80 | ..... |
| Hammonston ..... | ..... | ..... | ..... | 2.37 | 1.0 | Elmira †..... | 45 | -5 | 24.6 | 1.56 | 5.5 | Rockingham †..... | 67 | 15 | 42.9 | 1.12 | ..... |
| Hanover | 45 | -2 | 26.1 | 1.41 | 2.8 | Fleming | 42 | -14 | 22.8 | 1.80 | 18.0 | Roxboro †..... | 62 | 10 | 36.6 | 2.96 | ..... |
| Hightstown | 48 | 0 | 23.7 | 2.30 | 3.0 | Fort Niagara †..... | 40 | -2 | 24.4 | 2.80 | ..... | Rutherfordton †..... | 51 | 12 | 35.0 | 2.80 | ..... |
| Imlaystown Junction | 50 | 1 | 29.4 | 2.11 | 1.4 | Friendship | 45 | -23 | 23.2 | 2.03 | 10.3 | Salem †..... | ..... | ..... | ..... | 1.98 | ..... |
| Junction ..... | ..... | ..... | ..... | 1.29 | 3.5 | Fulton ..... | ..... | ..... | ..... | 3.98 | ..... | Salisbury | 65 | 13 | 37.8 | 2.04 | ..... |
| Millville | 61 ^a | 5 ^b | 31.4 ^c | 1.43 | T. | Glens Falls | 39 | -14 | 17.7 | 1.08 | 7.5 | Saxon †..... | 56 | 6 | 36.2 | 1.92 | ..... |
| Moorestown | 53 | 2 | 30.0 | 2.81 | 3.0 | Gloversville | 39 | -20 | 16.6 | 1.47 | 13.9 | Selma | 67 | 11 | 40.3 | 2.80 | ..... |
| Newark ^a | 47 | -1 | 28.6 | 1.32 | 2.8 | Hamilton | 40 | -32 | 17.3 | 1.38 | 12.1 | Settle | 64 | 10 | 39.8 | 1.63 | ..... |
| Newark ^b | 47 | -1 | 28.1 | 1.26 | 3.5 | Haskinville ..... | ..... | ..... | ..... | 2.16 | ..... | Skyuka | 65 | 8 | 38.0 | 4.42 | 0.1 |
| New Brunswick ^a | 50 | -1 | 28.8 | 1.65 | 2.5 | Honeymead Brook | 43 | -18 | 20.6 | 0.91 | 5.3 | Sloan †..... | 67 | 15 | 42.9 | 3.08 | ..... |
| New Brunswick ^b | 55 | 2 | 28.9 | 1.57 | ..... | Humphrey †..... | 44 | -7 | 24.0 | 2.43 | 17.0 | Soapstone Mount †..... | 65 | 7 | 37.0 | 2.57 | T. |
| Newton | 44 | -6 | 24.2 | 0.63 | 3.0 | Ithaca | 42 | -15 | 22.8 | 1.46 | 6.9 | Southern Pines †..... | 74 | 15 | 44.4 | 3.02 | ..... |
| Ocean City | 53 | 3 | 30.0 | 2.30 | 0.5 | Jamestown | 46 | -3 | 25.6 | 3.08 | 18.0 | Southport †..... | 64 | 15 | 45.5 | 4.42 | ..... |
| Oceanic | 53 | 3 | 31.0 | 1.93 | 3.2 | King Station ..... | ..... | ..... | ..... | 1.15 | ..... | Springhope * ¹¹ | 57 | 15 | 37.5 | 1.85 | ..... |
| Paterson | 50 | 2 | 29.2 | 0.84 | 4.8 | Lebanon Springs | 38 | -18 | 18.8 | 0.87 | 11.6 | Tarboro | 67 | 11 | 39.6 | 2.45 | ..... |
| Perth Amboy | 48 | 0 | 28.0 | 1.58 | 4.0 | Lowville | 37 | -22 | 15.4 | 2.32 | 23.0 | Waynesvillet | 61 | 5 | 36.0 | 1.91 | 0.5 |
| Plainfield | 53 | -1 | 29.4 | 1.68 | 5.1 | Lyons | 40 | -14 | 24.2 | 3.57 | 21.0 | Weldon †..... | 59 | 12 | 37.9 | 2.61 | T. |
| Rancocas ..... | ..... | ..... | ..... | 1.78 | 2.2 | Madison Barracks †..... | 53 | -21 | 16.1 | 1.05 | 13.5 | Willeyton | 63 | 11 | 37.8 | ..... | ..... |
| Readington * ⁸ | 54 | 4 | 31.9 | ..... | ..... | Malone | 33 | -27 | 12.2 | 1.34 | 13.4 | North Dakota. | ..... | ..... | ..... | ..... | ..... |
| River Vale | 47 | -5 | 25.2 | 0.86 | 1.5 | Middletown | 42 | -8 | 21.3 | 1.89 | 8.5 | Amenia | 43 | -34 | 5.9 | 0.60 | 5.8 |
| Somerville | 49 | -7 | 26.7 | 1.46 | 2.0 | Mohonk Lake | 41 | -14 | 20.3 | 1.49 | 7.0 | Ashley †..... | 45 | -25 | 11.6 | 0.81 | 8.1 |
| South Orange | 47 | -1 | 27.4 | 1.45 | 4.0 | Mount Morris | 45 | -10 | 24.9 | 2.60 | 6.0 | Bismarck ..... | ..... | ..... | ..... | 8.6 | ..... |
| Toms River | 52 | 0 | 28.8 | 1.75 | ..... | Newark Valley ..... | ..... | ..... | ..... | 1.30 | ..... | Churchs Ferry | 38 | -30 | 2.8 | 1.03 | 9.3 |
| Trenton | 52 | 5 | 31.9 | 1.32 | T. | New Lisbon | 37 | -28 | 17.2 | 0.86 | 13.5 | Coalharbor †..... | 45 | -28 | 4.9 | 1.85 | 18.5 |
| Vineland | 54 | 2 | 30.4 | 1.90 | T. | New York | 40 | -20 | 20.7 | 1.68 | 10.9 | Dickinson †..... | 47 | -24 | 10.2 | 0.92 | 9.2 |
| Whiting | 56 | 2 | 31.4 | 2.12 | 1.0 | North Hammond * ¹¹ | 34 | -20 | 15.3 | 1.06 | 11.8 | Ellendale | 50 | -21 | 8.2 | 0.50 | 5.0 |
| Woodbine | 60 | 1 | 30.1 | 2.44 | ..... | Number Four †..... | 34 | -31 | 15.4 | 3.04 | 28.2 | Falconer | 46 | -27 | 6.8 | 0.50 | 5.0 |
| New Mexico. | ..... | ..... | ..... | ..... | Orgensburg | 41 | -23 | 14.2 | 1.09 | 10.9 | Fargo †..... | 43 | -29 | 4.3 | 0.19 | 1.5 | |
| Albert | 70 | 14 | 41.2 | 0.35 | ..... | Oneonta | 42 | -16 | 21.9 | ..... | ..... | Forman †..... | 41 | -35 | 4.9 | 0.49 | 4.4 |
| Albuquerque † | 57 | 14 | 36.1 | 0.06 | T. | Oswego ..... | ..... | ..... | ..... | 14.5 | ..... | Fort Berthold †..... | 52 | -25 | 12.8 | 0.65 | 0.5 |
| Alma † | 65 | 8 | 39.1 | 0.21 | 0.4 | OXford | 40 | -21 | 20.1 | 1.99 | 14.5 | Fort Yates †..... | 58 | -24 | 10.1 | 0.56 | 6.2 |
| Aztec † | 59 | 3 | 32.4 | 0.16 | 1.0 | Palermo †..... | 37 | -30 | 18.4 | 2.00 | 11.2 | Galatin †..... | 39 | -42 | 3.9 | 0.75 | 4.0 |
| Bernalillo † | 59 | 14 | 31.2 | 0.01 | ..... | Perry City | 40 | -20 | 20.7 | 1.68 | 10.9 | Grafton †..... | 37 | -36 | -0.4 | 0.53 | 5.3 |
| Chama † | 69 | -3 | 32.2 | 1.65 | 16.5 | Pine City ..... | ..... | ..... | ..... | 1.82 | ..... | Grand Rapids | 44 | -34 | 6.2 | 0.60 | 6.2 |
| Colfax | 60 | 3 | 35.4 | 0.13 | 1.5 | Pittsford * ⁸ | 40 | 4 | 26.4 | 1.91 | 2.5 | Jamestown †..... | 48 | -24 | 9.6 | 1.00 | 9.0 |
| Deming * ⁸ | 75 | 18 | 44.7 | 0.60 | ..... | Plattsburg Barracks | 37 | -20 | 14.4 | 2.05 | 12.9 | Kelso †..... | 44 | -33 | 4.0 | 1.04 | 9.6 |
| East Las Vegas | 68 | 5 | 36.8 | 0.19 | 2.2 | Port Jervis | 41 | -7 | 21.8 | 1.55 | 7.0 | Lakota †..... | 42 | -36 | 1.6 | ..... | ..... |
| Eddy † | 75 | 20 ^b | 47.2 | 0.14 | ..... | Potsdam | 34 | -23 | 11.2 | 1.80 | 18.0 | Leinert | 40 | -36 | 2.6 | 0.55 | 5.5 |
| Eagle † | 67 | 14 | 40.1 | 0.00 | ..... | Poughkeepsie | 44 | -10 | 21.0 | 0.88 | 6.8 | McKinney | 39 | -33 | 2.8 | 0.78 | 7.8 |
| Espanola † | 55 | -3 | 31.3 | 0.04 | ..... | Ridgeaway ..... | ..... | ..... | ..... | 3.00 | ..... | Milton †..... | 36 | -39 | -0.6 | 0.50 | 5.0 |
| Estalina Springs † ..... | ..... | ..... | ..... | 0.17 | 1.2 | Rochester ..... | ..... | ..... | ..... | 22.5 | ..... | Minto | 40 | -38 | 0.5 | 0.78 | 7.8 |
| Fort Bayard | 68 | 13 | 42.0 | 0.25 | 0.5 | Rome | 48 | -17 | 20.6 | 2.17 | ..... | Napoleon †..... | 41 | -25 | 7.5 | 1.05 | 10.5 |
| Fort Union † | 65 | 8 | 36.2 | T. | Ronulius | 42 | -15 | 23.2 | 2.34 | 8.0 | Oakdale †..... | 54 | -27 | 13.5 | 0.49 | 4.9 | |
| Fort Wingate | 70 | 5 | 37.8 | 0.12 | 1.2 | Rose †..... | ..... | ..... | ..... | 2.63 | ..... | Portal †..... | 38 | -31 | 2.0 | ..... | ..... |
| Galisteo † | 62 | 10 | 35.6 | 0.28 | ..... | Saranac Lake | 36 | -31 | 11.7 | 1.11 | 18.2 | Power †..... | 46 | -30 | 5.9 | 0.66 | 6.6 |
| Gallinas Spring † | 67 | 5 | 38.4 | T. | Setauket †..... | 46 | -1 | 27.8 | 1.48 | 4.5 | St. John †..... | 45 | -32 | 1.6 | 0.74 | 7.4 | |
| Gila | 68 | 12 | 42.4 | 0.14 | ..... | Sherwood ..... | ..... | ..... | ..... | 1.82 | ..... | Steele † ¹² | 46 | -27 | 6.8 | 0.65 | 6.5 |
| Hillsboro † | 69 | 15 | 41.6 | 0.18 | ..... | Skaneateles ..... | ..... | ..... | ..... | 2.08 | ..... | University †..... | 36 | -30 | 3.8 | 0.50 | 5.0 |
| Las Cruces † | 71 | 9 | 41.3 | 0.31 | ..... | South Canisteo | 47 | -15 | 23.6 | 2.76 | 16.3 | Walpeton | 48 | -29 | 9.2 | 0.35 | 3.5 |
| Lordsburg * ⁸ | 63 | 14 | 42.0 | T. | Southwest Reservoir | 49 | -30 | 17.9 | ..... | 1.30 | ..... | Wildrice † ¹² | 6.0 | 0 | 0.81 | 8.1 | ..... |
| Los Lunas ^a | 65 | 6 | 34.7 | T. | Turin | 35 | -24 | 14.2 | 4.42 | 40.1 | Williston | 39 | -40 | 1.3 | 0.30 | 3.0 | |
| Lower Penasco | 68 | 10 | 41.3 | 0.80 | 7.0 | Tyrone | 47 | -24 | 21.8 | 3.38 | 12.5 | Woodbridge †..... | 38 | -39 | -2.4 | 0.58 | 5.8 |
| Monerot † | 48 | -8 | 26.4 | 0.78 | 8.0 | Varysburg | 41 | -14 | 22.4 | 2.36 | 9.5 | Ohio. | ..... | ..... | ..... | ..... | ..... |
| Ocate † | 68 | 5 | 34.7 | 0.05 | 0.5 | Victor | 41 | -14 | 22.4 | 1.36 | T. | Akron | 52 | -2 | 28.6 | 1.78 | 2.2 |
| Puerto de Luna † | 69 | 15 | 41.2 | 0.15 | ..... | Wappingers Falls | 42 | -10 | 22.4 | 1.36 | 9.5 | Annapolis | 54 | -8 | 27.4 | 0.20 | 1.0 |
| Rincon † | 70 | 11 | 42.2 | 0.09 | ..... | Warwick ..... | ..... | ..... | ..... | 0.97 | ..... | Ashland | 50 | -8 | 27.0 | 1.58 | 1.2 |
| Roswell † | 74 | 10 | 43.3 | 0.60 | T. | Waverly † | 48 | -12 | 23.6 | 1.66 | 9.2 | Athens | 55 | -1 | 31.8 | 2.24 | 0.7 |
| San Marcial † | 66 | 11 | 39.0 | 0.01 | ..... | Westfield | 48 | 3 | 27.7 | 2.00 | 9.0 | Atwater | 45 | -22 | 1.6 | 1.90 | 0.8 |
| Santa Fe ..... | ..... | ..... | ..... |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|---|-------------------------------|----------|-------|--------------------------|-------------------------|--|-------------------------------|----------|-------|--------------------------|-------------------------|---|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| <i>Ohio—Cont'd.</i> | | | | | | <i>Ohio—Cont'd.</i> | | | | | | <i>Oregon—Cont'd.</i> | | | | | |
| Clarksville | 56 | - 4 | 31.4 | 1.99 | 0.7 | Vickery | 50 | - 5 | 27.9 | 1.68 | 2.0 | The Dalles † | 52 | 19 | 35.8 | 3.45 | 15.0 |
| Cleveland (V. O.) | 46 | - 1 | 28.6 | 1.73 | 4.4 | Walnut | 47 | - 1 | 27.8 | 1.92 | 2.5 | Tillamook Rock L. H. | 52 | 21 | 42.4 | 6.38 | |
| Cleveland (W. B.) | | | | | | Warren | 56 | - 4 | 28.4 | 1.72 | 1.3 | Toledo | 57 | 3 | 33.2 | 2.78 | 16.0 |
| Clifton | 58 | - 6 | 30.0 | 2.18 | 3.4 | Warsaw | 52 | - 10 | 25.2 | 2.20 | 3.2 | Vale | 55 | 34 | 49.2 | 14.80 | |
| Coolton | 58 | - 3 | 31.6 | 1.65 | 1.5 | Wauseon | 56 | - 1 | 33.2 | 1.57 | 0.5 | West Fork | 58 | 8 | 36.6 | 3.52 | 8.0 |
| Colebrook | 43 | - 4 | 26.3 | 1.07 | 4.2 | Waverly | | | | | | Weston | 58 | 25 | 41.6 | 7.60 | |
| Columbus | | | | | | Waynesville | | | | | | Williams | | | | | |
| Dayton a | 53 | - 5 | 32.0 | 1.82 | 1.0 | Youngstown | 46 | - 4 | 27.2 | 2.14 | 0.5 | <i>Pennsylvania.</i> | | | | | |
| Dayton b † | | | | | | Alva † | 66 | 8 | 36.2 | 1.42 | 2.0 | Altoona | | | | | |
| Defiance | 70 | - 9 | 27.6 | 0.92 | ..... | Anadarko † | 72 | | 42.0 | 0.85 | | Aqueduct | 54 | 5 | 29.6 | 1.25 | 1.4 |
| Demos | 55 | - 2 | 29.6 | 2.00 | ..... | Arapaho † | 70 | 8 | 38.7 | 1.51 | | Beaver Dam † | | | | | |
| Dupont | 52 | - 9 | 27.0 | 3.40 | 3.0 | Britton | | | | | | Bethlehem | | | | | |
| Elyria | 50 | - 3 | 28.7 | 1.73 | 2.3 | Buffalo | 66 | 28 | 46.0 | 1.20 | | Brookville † | | | | | |
| Fairport Harbor * ¹⁰ | 42 | 7 | 28.8 | 1.89 | ..... | Burnett | 71 | 7 | 40.6 | 0.91 | | Brownsburg Lock | | | | | |
| Fayetteville | 52 | - 4 | 31.2 | 1.80 | 0.5 | Clifton † | 66 | 9 | 39.2 | 0.77 | | Cameron | | | | | |
| Findlay | 53 | - 10 | 27.5 | 1.37 | 2.0 | Enid | 68 | 10 | 39.2 | 0.94 | 0.5 | Carlisle | 59 | 4 | 29.1 | 2.12 | 0.4 |
| Fostoria | 47 | - 9 | 26.6 | 0.66 | 1.0 | Fort Reno † | 68 | 9 | 38.7 | 0.40 | | Cassandra | 50 | 4 | 29.1 | 2.10 | 11.0 |
| Frankfort | 53 | 0 | 32.3 | 1.12 | 0.5 | Fort Sill | 70 | 10 | 41.2 | 1.40 | | Cedar Runn | | | | | |
| Garretttsville | 50 | - 3 | 27.9 | 1.62 | 1.8 | Guthrie † | 64 | 10 | 40.6 | 0.45 | 1.0 | Center Hall † | | | | | |
| Granville | 52 | - 3 | 29.2 | 2.88 | 0.8 | Hennessey † | 70 | 8 | 42.5 | 0.59 | | Chambersburg † | 60 | 3 | 35.4 | 1.10 | 0.2 |
| Gratiot | 51 | - 2 | 29.8 | 1.87 | 2.6 | Keokuk Falls † | 65 | 8 | 36.9 | 0.65 | 1.5 | Emporium | 46 | - 1 | 26.8 | 1.36 | 2.7 |
| Greenfield | 52 | - 2 | 31.8 | 1.17 | ..... | Mangum † | 79 | 11 | 43.6 | 1.67 | | Driftwood | 40 | - 5 | 21.0 | 1.27 | 4.5 |
| Greenhill | 59 | - 2 | 27.2 | 1.78 | 1.8 | Norman † | 67 | 12 | 41.2 | 0.74 | | Dubois † | | | | | |
| Greenville | 50 | - 7 | 28.3 | 1.53 | 0.5 | Oklahoma | | | | | | Duncannon | | | | | |
| Hackney | 59 | 1 | 35.2 | 1.89 | 1.0 | Ponca † | 66 | 8 | 39.4 | 1.13 | 1.8 | Dyberry † | 43 | - 13 | 19.2 | 1.43 | 11.0 |
| Hanging Rock | 58 | 3 | 33.6 | 1.35 | ..... | Pond Creek † | 67 | 6 | 36.0 | 0.65 | 2.0 | East Bloomsburg | | | | | |
| Hebbardsville | 63 | - 3 | 33.2 | 1.28 | 0.1 | Prudence † | | | | | | East Mauch Chunk | 47 | - 1 | 26.4 | 1.89 | 5.2 |
| Hedges | 52 | - 10 | 25.2 | 1.54 | 3.5 | Sac and Fox Agency † | 68 | 7 | 42.6 | 0.80 | 1.0 | Edinboro * ¹ | 39 | - 4 | 24.5 | 1.51 | 3.8 |
| Hillhouse | 46 | - 2 | 25.6 | 1.50 | 11.5 | Stillwater † | 64 | 11 | 39.6 | 0.55 | 0.8 | Ellwood Junction † | | | | | |
| Hiram | 61 | 5 | 31.8 | 1.72 | ..... | Winnerville | 67 | 9 | 39.6 | 2.10 | 1.0 | Emporium | 46 | - 1 | 26.8 | 1.17 | 2.2 |
| Hudson | 52 | - 5 | 28.6 | 1.37 | ..... | Woodward † | 62 | 8 | 37.4 | 1.04 | 0.5 | Farrandsville | | | | | |
| Jacksonboro | 57 | - 6 | 30.8 | 1.85 | 1.0 | Oregon | | | | | | Fords of Neshaminy * ¹ | 50 | 10 | 31.6 | 1.80 | 4.5 |
| Kenton † | 56 | - 8 | 28.2 | 1.53 | 3.8 | Albany a † | 61 | 22 | 43.1 | 8.98 | 1.5 | Frederick | | | | | |
| Killbuck | 53 | - 4 | 28.9 | 1.63 | T. | Arlington † | 54 | 12 | 36.2 | 1.48 | 7.0 | Gettysburg † | 56 | 5 | 28.8 | 0.75 | 1.0 |
| Lancaster | 48 | - 1 | 30.0 | 2.31 | 2.5 | Ashland b | 60 | 25 | 42.0 | 4.00 | | Girardville | | | | | |
| Leipsic | 50 | - 10 | 26.0 | 1.10 | 1.0 | Aurora * ⁸ | 60 | 26 | 45.0 | 6.09 | | Grampian | 40 | - 6 | 24.2 | 1.22 | 6.5 |
| Levering | 52 | 0 | 27.0 | 1.47 | ..... | Aurora (near) | 59 | 21 | 41.2 | 6.60 | 7.5 | Greensboro † | | | | | |
| Logan | 55 | - 2 | 32.2 | 2.19 | 2.2 | Bandon | 60 | 31 | 48.5 | 18.49 | | Hamburg | 49 | 2 | 29.2 | 0.80 | |
| Lordstown | 47 | - 2 | 26.7 | 1.62 | 0.5 | Beulah † | 47 | - 6 | 38.8 | 3.26 | 11.0 | Harrisburg | | | | | |
| McArthur | 54 | 0 | 30.9 | 1.91 | 1.0 | Brownsville * ⁸ | 68 | 20 | 42.8 | 9.11 | | Hollidaysburg | 58 | 0 | 28.2 | 1.81 | 1.5 |
| McConnellsville | 56 | - 1 | 31.7 | 1.92 | 0.5 | Burns | 45 | - 5 | 22.4 | 1.50 | 15.0 | Huntingdon a † | 55 | 3 | 29.6 | 2.27 | 4.7 |
| Mansfield | | | | | | Canyon City † | 61 | 13 | 40.6 | 2.55 | 5.0 | Huntingdon b | | | | | |
| Marietta a † | | | | | | Cascade Locks | 52 | 22 | 37.7 | 11.85 | | Johnstown † | | | | | |
| Marietta b | 60 | 4 | 33.6 | 1.83 | 2.5 | Comstock * ⁸ | 60 | 24 | 44.8 | 9.65 | | Karthaus | | | | | |
| Marion | 51 | - 7 | 29.6 | 0.66 | 0.7 | Corvallis a | 60 | 23 | 42.0 | 8.35 | 2.0 | Keating | | | | | |
| Medina | 55 | - 4 | 27.4 | 1.51 | T. | Corvallis (near) | 57 | 22 | 41.6 | 10.18 | | Kennett Square | 55 | 5 | 30.3 | 1.52 | 2.5 |
| Milfordton | 54 | 0 | 27.6 | 1.83 | 2.0 | Crook | 48 | - 3 | 31.6 | 1.40 | 6.5 | Lancaster k | 56 | 9 | 29.9 | 0.50 | 1.0 |
| Milligan | 57 | - 1 | 31.6 | 1.61 | 1.0 | Dayville † | 63 | 14 | 40.0 | 3.44 | 4.5 | Lansdale | | | | | |
| Millport | 53 | - 2 | 30.2 | 1.64 | T. | Eugene a † | 66 | 25 | 44.1 | 7.56 | 2.0 | Lebanon | 50 | 3 | 28.4 | 1.11 | 2.6 |
| Montpelier | 47 | - 7 | 24.1 | 1.65 | 1.5 | Eugene b | | | | | | Le Roy † | 40 | - 10 | 21.8 | 2.00 | 6.3 |
| Napoleon | 50 | - 9 | 25.4 | 1.40 | 0.0 | Fife † | 49 | 3 | 33.6 | 1.86 | 1.0 | Lewisburg | 49 | 1 | 27.9 | 1.98 | 3.2 |
| New Alexandria | 52 | 1 | 29.8 | 2.78 | 6.0 | Forest Grove | 54 | 23 | 36.6 | 10.84 | 8.0 | Lock Haven a † | 50 | 1 | 27.6 | 1.20 | 4.0 |
| New Berlin | 51 | - 2 | 27.4 | 1.65 | 0.5 | Gardiner | 64 | 31 | 46.8 | 16.58 | | Lock Haven b | | | | | |
| New Bremen | 55 | - 10 | 28.3 | 1.16 | 5.7 | Glenora | 56 | 20 | 38.4 | 27.12 | | Lock No. 4 † | | | | | |
| New Comerstown | 52 | 0 | 29.7 | 1.91 | T. | Grants Pass a † | 61 | 24 | 42.0 | 8.95 | | Lyceippus | 49 | - 2 | 28.8 | 2.21 | |
| New Holland | 51 | - 2 | 30.4 | 1.85 | 1.3 | Happy Valley † | 52 | - 1 | 32.5 | 1.76 | 3.0 | Mifflin | | | | | |
| New Moscow | | | | | | Heppner | 61 | 13 | 39.1 | 1.96 | 13.0 | Nisbet | | | | | |
| New Paris | 60 | - 9 | 29.6 | 1.56 | 1.0 | Hood River (near) | 46 | 12 | 33.2 | 7.61 | 34.5 | Oil City † | | | | | |
| New Waterford | | | | | | Hubbard | 58 | 22 | 40.8 | 8.29 | 8.0 | Ottsville | | | | | |
| North Lewisburg | 52 | - 8 | 28.2 | 1.60 | 3.5 | Irvington | | | | | | Parkert | | | | | |
| North Royalton | 49 | 1 | 27.3 | 1.53 | 3.0 | Jacksonville | 60 | 25 | 40.0 | 5.90 | | Philadelphia b | 54 | 4 | 31.4 | 1.70 | |
| Norwalk | 56 | - 10 | 26.0 | 0.97 | T. | Joseph † | 56 | 0 | 29.5 | 1.47 | 12.0 | Philadelphia c | 58 | 5 | 31.1 | 1.83 | 0.1 |
| Oberlin | 45 | - 8 | 27.5 | 0.60 | 1.0 | Junction City * ⁸ | 62 | 26 | 44.6 | 10.15 | 2.2 | Philadelphia W. B. | | | | | |
| Ohio State University | 52 | - 4 | 31.1 | 1.67 | 1.7 | Lafayette * ⁸ | 60 | 20 | 43.6 | 7.98 | | Pittsburg | | | | | |
| Orangeville | 44 | - 1 | 26.7 | 1.35 | T. | Lakeview † | 47 | 5 | 29.3 | 3.55 | 4.0 | Point Pleasant | | | | | |
| Ottawa | 51 | - 8 | 27.3 | 1.57 | 2.5 | Langlois | 70 | 31 | 50.4 | 22.10 | | Pottstown | 54 | 4 | 29.4 | 1.97 | 1.0 |
| Pataksala | 52 | - 4 | 29.4 | 2.27 | 3.8 | Lone Rock | 56 | 2 | 32.4 | 1.05 | 10.5 | Quakertown | 50 | - 5 | 26.8 | 1.30 | 3.0 |
| Peoli | 50 | 0 | 28.0 | 1.81 | 1.0 | Lorella | 54 | 2 | 32.9 | 10.23 | 5.0 | Reading * | | | | | |
| Philo | 51 | - 2 | 28.4 | 1.78 | T. | McMinnville a † | 56 | 20 | 40.6 | 9.32 | 10.0 | Renovo | | | | | |
| Plattensburg | | | | | | | | | | | | | | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | | | | | | |
|-----------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--------------------------------|-----------------------------|-------------------------------|--------------------------|-------------------------|---------------------|-------------------------|-----------------------------|--------------------------|-------------------------------|----------|----------|-------------------------|-----------------------------|-------------------------|------|------|-------|-------|-----|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | | | | |
| Pennsylvania—Cont'd. | ° | ° | ° | In. | In. | South Dakota—Cont'd. | ° | ° | ° | In. | In. | Texas—Cont'd. | ° | ° | ° | In. | In. | Texas—Cont'd. | ° | ° | ° | In. | In. | | |
| Waterville | 42 | -8 | 23.6 | 1.50 | 8.5 | Wentworth † | 53 | -18 | 16.8 | 0.29 | 2.9 | Golinda | 74 | 11 | 42.8 | 5.55 | 1.64 | Golinda | 74 | 11 | 42.8 | 5.55 | 1.64 | | |
| Wellsboro *+† | 53 | 4 | 29.2 | 1.87 | 2.0 | Wessington Springs † | 56 | -15 | 19.2 | 0.08 | 0.5 | Graham † | 71 | 14 | 45.6 | 3.31 | | Graham † | 71 | 14 | 45.6 | 3.31 | | | |
| West Chester | 53 | 4 | 29.2 | 1.98 | 1.0 | Yankton † | 64 | -10 | 23.9 | 0.11 | ..... | Grape Vine † | 71 | 13 | 45.4 | 0.80 | | Grape Vine † | 71 | 13 | 45.4 | 0.80 | | | |
| West Newton † | 47 | -5 | 23.4 | 0.79 | 5.5 | Tennessee. | Andersonville *+† | 65 | 9 | 39.3 | 1.58 | Hale Center † | 76 | 13 | 45.4 | 0.80 | | Hale Center † | 76 | 22 | 52.9 | 3.33 | | | |
| White Haven | 45 | 0 | 26.0 | 1.14 | 5.0 | Ashwood *+† | 63 | 10 | 40.8 | 2.88 | T. | Happy † | 75 | 8 | 39.8 | 1.35 | T. | Happy † | 75 | 8 | 39.8 | 1.35 | T. | | |
| Wilkesbarre † | 46 | 1 | 27.1 | 1.76 | 1.0 | Benton (near) | 67 | 10 | 43.4 | 1.50 | T. | Hartley † | 68 | 2 | 35.2 | 0.75 | T. | Hartley † | 68 | 2 | 35.2 | 0.75 | T. | | |
| Williamsport | 56 | 5 | 29.5 | 0.94 | 1.0 | Bluff City † | 68 | 12 | 40.7 | 4.67 | T. | Haskell † | 70 | 16 | 42.8 | 1.52 | | Haskell † | 70 | 16 | 42.8 | 1.52 | | | |
| York † | 43 | -8 | 25.4 | 1.91 | 8.5 | Bolivar † | 68 | 12 | 40.7 | 4.67 | T. | Hewitt | 75 | 28 | 51.6 | 4.09 | T. | Hewitt | 75 | 28 | 51.6 | 4.09 | T. | | |
| Rhode Island. | Kingston | 43 | -10 | 23.4 | 2.59 | 12.0 | Bristol | 55 | 5 | 35.0 | 1.59 | T. | Houston † | 72 | 22 | 48.4 | 6.94 | | Houston † | 72 | 22 | 48.4 | 6.94 | | |
| Block Island | Lonsdale | 43 | -10 | 23.4 | 2.41 | 13.0 | Bristol | 55 | 5 | 35.0 | 1.59 | T. | Huntsville † | 71 | 14 | 48.6 | 3.27 | | Huntsville † | 71 | 14 | 48.6 | 3.27 | | |
| Narragansett Pier | Narragansett Pier | 43 | -4 | 25.0 | 1.84 | 12.4 | Byrdstown † | 66 | 6 | 37.8 | 1.62 | T. | Kent | 50 | 14 | 48.6 | 3.27 | | Kent | 50 | 14 | 48.6 | 3.27 | | |
| Pawtucket | Pawtucket | 46 | -8 | 25.1 | 3.52 | 14.5 | Carthage † | 67 | 10 | 43.4 | 2.65 | T. | Kerrville † | 50 | 14 | 48.6 | 3.27 | | Kerrville † | 50 | 14 | 48.6 | 3.27 | | |
| Providence a | Providence a | 44 | -10 | 23.9 | 2.03 | 9.0 | Charlotte *+† | 62 | 8 | 38.1 | 1.50 | T. | Lampasas † | 78 | 20 | 49.8 | 2.76 | | Lampasas † | 78 | 20 | 49.8 | 2.76 | | |
| Providence c | Providence c | 44 | -10 | 23.9 | 2.03 | 9.0 | Clinton † | 65 | 8 | 38.2 | 1.51 | T. | Leakey † | 55 | 13 | 53.4 | 2.39 | | Leakey † | 55 | 13 | 53.4 | 2.39 | | |
| South Carolina. | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Clarksville † | 65 | 8 | 38.2 | 1.51 | T. | Llano *+† | 77 | 22 | 50.0 | 2.50 | | Llano *+† | 77 | 22 | 50.0 | 2.50 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Covington † | 65 | 14 | 42.9 | 2.91 | T. | Longview † | 73 | 23 | 52.2 | 5.07 | | Longview † | 73 | 23 | 52.2 | 5.07 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Decatur † | 63 | 9 | 39.8 | 2.39 | T. | Marshall † | 72 | 17 | 54.7 | 15.40 | | Marshall † | 72 | 17 | 54.7 | 15.40 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Dyersburg † | 62 | 11 | 40.0 | 3.16 | T. | Menardville *+† | 73 | 20 | 47.1 | 3.23 | | Menardville *+† | 73 | 20 | 47.1 | 3.23 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Elizabethhton † | 71 | 8 | 38.0 | 0.46 | T. | Midland † | 81 | 12 | 45.2 | 2.05 | | Midland † | 81 | 12 | 45.2 | 2.05 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Fairmount *+† | 55 | 6 | 37.1 | 1.93 | T. | Mount Blanco † | 79* | 9 | 40.2 | 1.08 | | Mount Blanco † | 79* | 9 | 40.2 | 1.08 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Florence † | 65 | 10 | 39.7 | 1.38 | T. | New Braunfels † | 72 | 23 | 51.1 | 3.01 | | New Braunfels † | 72 | 23 | 51.1 | 3.01 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Franklin † | 64 | 6 | 38.4 | 3.10 | T. | Orange † | 69 | 24 | 40.0 | 1.63 | | Orange † | 69 | 24 | 40.0 | 1.63 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Greeneville † | 66 | 6 | 37.8 | 1.20 | T. | Panter | 71 | 15 | 42.6 | 2.50 | | Panter | 71 | 15 | 42.6 | 2.50 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Harriman | 66 | 6 | 38.6 | 1.78 | T. | Paris † | 71 | 14 | 41.1 | 1.28 | | Paris † | 71 | 14 | 41.1 | 1.28 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Hohenwald *+† | 69 | 9 | 38.8 | 2.99 | T. | Rheinland *+† | 71 | 14 | 41.1 | 0.94 | | Rheinland *+† | 71 | 14 | 41.1 | 0.94 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Jackson † | 67 | 12 | 39.4 | 4.42 | T. | Rohy † | 85 | 21 | 44.2 | 0.94 | | Rohy † | 85 | 21 | 44.2 | 0.94 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Johnsonville † | 66 | 10 | 39.4 | 2.26 | T. | Rockport *+† | 70 | 32 | 55.4 | 2.49 | | Rockport *+† | 70 | 32 | 55.4 | 2.49 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Kingston | 66 | 10 | 39.4 | 2.17 | T. | Rocksprings † | 80 | 18 | 50.4 | 2.49 | | Rocksprings † | 80 | 18 | 50.4 | 2.49 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Knoxville | 66 | 10 | 39.4 | 2.23 | T. | Runge † | 81 | 29 | 55.4 | 2.37 | | Runge † | 81 | 29 | 55.4 | 2.37 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | London † | 65 | 10 | 41.4 | 1.95 | T. | San Antonio | 80 | 25 | 54.5 | 2.72 | | San Antonio | 80 | 25 | 54.5 | 2.72 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Lynnhurst *+† | 65 | 10 | 41.4 | 1.95 | T. | San Marcos a† | 70 | 20 | 48.8 | 3.15 | | San Marcos a† | 70 | 20 | 48.8 | 3.15 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | McKenzie *+† | 63 | 9 | 38.6 | 2.80 | T. | Sierra Blanca † | 75 | 25 | 51.5 | 3.87 | | Sierra Blanca † | 75 | 25 | 51.5 | 3.87 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | McMinnville † | 68 | 8 | 39.4 | 4.22 | T. | Sulphur Springs † | 73 | 14 | 46.2 | 2.98 | | Sulphur Springs † | 73 | 14 | 46.2 | 2.98 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Memphis | 65 | 6 | 38.6 | 2.33 | T. | Temple † | 75 | 18 | 48.6 | 6.13 | | Temple † | 75 | 18 | 48.6 | 6.13 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Newellville *+† | 69 | 11 | 36.2 | 0.99 | T. | Twohig † | 92 | 25 | 61.0 | 1.57 | | Twohig † | 92 | 25 | 61.0 | 1.57 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Nunnelly *+† | 63 | 9 | 38.6 | 2.80 | T. | Tyler † | 68 | 16 | 43.5 | 6.20 | | Tyler † | 68 | 16 | 43.5 | 6.20 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Palmetto † | 66 | 10 | 41.5 | 1.80 | T. | Waco † | 76 | 20 | 49.0 | 5.21 | | Waco † | 76 | 20 | 49.0 | 5.21 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Perryville † | 61 | 8 | 38.8 | 1.31 | T. | Weatherford † | 73 | 15 | 44.1 | 2.92 | | Weatherford † | 73 | 15 | 44.1 | 2.92 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Ridgleton † | 67 | 9 | 38.6 | 1.49 | T. | Wichita Falls † | 68 | 10 | 38.8 | 0.99 | | Wichita Falls † | 68 | 10 | 38.8 | 0.99 | | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Ridgewood † | 66 | 11 | 37.6 | 2.26 | T. | Utah. | 50 | 10 | 31.6 | 0.55 | 2.5 | Utah. | 50 | 10 | 31.6 | 0.55 | 2.5 | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Riverton † | 65 | 6 | 38.8 | 5.85 | T. | Alpine City † | 50 | 10 | 31.6 | 1.45 | ..... | Alpine City † | 50 | 10 | 31.6 | 1.45 | ..... |  |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Trenton | 63 | 11 | 37.6 | 2.26 | T. | Blue Creek *+† | 50 | 10 | 31.6 | 0.55 | 2.5 | Blue Creek *+† | 50 | 10 | 31.6 | 0.55 | 2.5 | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Tullahoma † | 65 | 6 | 38.8 | 5.85 | T. | Castlegate † | 49 | 1 | 28.3 | 1.10 | 10.0 | Castlegate † | 49 | 1 | 28.3 | 1.10 | 10.0 | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Union City | 62 | 9 | 38.2 | 1.91 | T. | Cisco † | 56 | 0 | 31.0 | 0.23 | 0.5 | Cisco † | 56 | 0 | 31.0 | 0.23 | 0.5 | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Waynesboro *+† | 66 | 11 | 39.8 | 4.00 | T. | Corinne *+† | 54 | -5 | 29.1 | 1.10 | 1.0 | Corinne *+† | 54 | -5 | 29.1 | 1.10 | 1.0 | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | T. | Burnet *+† | 78 | 18 | 48.4 | 4.00 | T. | Deseret † | 57 | 0 | 31.2 | 0.32 | 0.5 | Deseret † | 57 | 0 | 31.2 | 0.32 | 0.5 |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T. | Camp Eagle Pass † | 88 | 18 | 54.8 | 1.13 | T. | Fillmore *+† | 60 | 9 | 33.9 | 0.75 | 0.5 | Fillmore *+† | 60 | 9 | 33.9 | 0.75 | 0.5 | |
| Allendale | Allendale | 66 | 14 | 43.0 | 8.36 | T | | | | | | | | | | | | | | | | | | | |

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

| Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | | Stations. | Temperature. (Fahrenheit.) | | | Precipita- tion. | |
|-------------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--------------------------------|-------------------------------|----------|-------|--------------------------|-------------------------|--|-------------------------------|----------|-------|--------------------------|-------------------------|
| | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. | | Maximum. | Minimum. | Mean. | Rain and melted snow. | Total depth of snow. |
| <i>Virginia—Cont'd.</i> | | | | | | <i>Washington—Cont'd.</i> | | | | | | <i>Wisconsin—Cont'd.</i> | | | | | |
| Ashland†..... | 64 | 6 | 35.4 | 2.35 | T. | Union City†..... | 56 | 33 | 39.3 | 22.40 | 10.0 | Oshkosh†..... | 0 | 0 | 0 | Ins. | Ins. |
| Avon†..... | 65 | 6 | 35.8 | 3.09 | 1.0 | Vashon†..... | 57 | 11 | 36.8 | 7.44 | | Pepin..... | 44 | -13 | 21.6 | 1.54 | 5.4 |
| Bedford City†..... | 57 | 9 | 35.3 | 2.16 | | Walla Walla..... | 44 | -3 | 23.8 | 2.75 | 27.5 | Pine River†..... | 51 | -17 | 20.5 | 0.53 | 7.0 |
| Big Stone Gap†..... | 62 | 2 | 33.6 | 1.43 | 0.5 | Waterville†..... | 40 | 0 | 25.0 | 20.0 | | Portage..... | 50 | -15 | 25.2 | 1.00 | 6.5 |
| Birdsnest*†..... | 63 | 14 | 36.5 | 2.35 | | Wenatchee Lake†..... | 49 | -1 | 25.0 | 20.0 | | Port Washington..... | 50 | -15 | 25.2 | 1.00 | 6.5 |
| Blacksburg..... | 56 | 3 | 31.9 | 1.51 | T. | West Fendale†..... | 57 | 18 | 38.6 | 4.63 | 5.0 | Prairie du Chien..... | 49 | -19 | 20.7 | 0.50 | 5.0 |
| Buckingham†..... | 60 | 3 | 33.8 | 3.30 | T. | <i>West Virginia.</i> | | | | | | Racine* ¹⁰ | 46 | -14 | 35.0 | | |
| Calaville†..... | 60 | 7 | 36.7 | 2.89 | | Beverly†..... | 54 | 0 | 32.7 | 1.63 | 6.8 | Royalton..... | 45 | -17 | 18.2 | 1.21 | 9.5 |
| Cape Henry..... | | | | | | Bloomery†..... | 55 | -1 | 28.7 | 1.96 | T. | Sharon†..... | 50 | -16 | 23.0 | 0.75 | 1.0 |
| Charlottesville..... | 63 | 8 | 35.8 | 3.54 | T. | Bluefield†..... | 62 | -3 | 34.2 | 1.36 | 0.8 | Shawano..... | 45 | -17 | 19.6 | 0.99 | 9.0 |
| Christiansburg†..... | | | | | | Buckhannon a†..... | 55 | -4 | 32.1 | 2.55 | 4.0 | Spooner†..... | 49 | -19 | 17.8 | 0.67 | 7.8 |
| Dale Enterprise†..... | 58 | -1 | 31.4 | 1.75 | T. | Buckhannon b..... | 57 | 1 | 29.6 | 1.60 | 1.0 | Stevens Point†..... | 49 | -19 | 17.8 | 0.67 | 7.8 |
| Fredericksburg†..... | 56 | 8 | 35.2 | 1.54 | T. | Burlington..... | 57 | 1 | 30.5 | 1.05 | | Sturgeon Bay Canal* ⁹ | 37 | -16 | 21.8 | | |
| Hampton..... | 61 | 19 | 38.0 | 1.77 | | Charleston†..... | 54 | 0 | 32.7 | 1.63 | 6.8 | Valley Junction†..... | 51 | -19 | 18.6 | 0.97 | 10.0 |
| Irwin†..... | 58 | 9 | 35.2 | 2.80 | | Dayton* ¹ | 58 | 4 | 34.6 | 1.39 | | Viroqua..... | 44 | -17 | 19.6 | 0.94 | 9.5 |
| Lexington†..... | 60 | 7 | 34.4 | 2.93 | 0.2 | Elkhorn†..... | 61 | 4 | 36.7 | 1.16 | 2.0 | Watertown†..... | 45 | -16 | 23.0 | 1.24 | 9.0 |
| Lynchburg..... | | | | | | Ella†..... | 51 | 0 | 30.4 | 1.93 | 2.5 | Waukeshaw†..... | 47 | -11 | 23.6 | 0.43 | 3.2 |
| Maidens..... | 66 | 14 | 43.0 | | | Fairmont†..... | | | | | | Waupaca..... | | | | | |
| Manassast..... | 60 | 5 | 33.4 | 2.69 | | Glenville†..... | 57 | 0 | 31.7 | 2.13 | 2.0 | Wausau†..... | 38 | -20 | 15.7 | 1.02 | 9.0 |
| Marion† ^x | 58 | 5 | 32.4 | | | Grafton†..... | 55 | -3 | 30.8 | 1.50 | 2.6 | Westbend†..... | 44 | -12 | 21.6 | 1.02 | 5.2 |
| Monterey†..... | 48 | -4 | 29.0 | 1.30 | 0.2 | Green Sulphur..... | 49 | 7 | 31.1 | 0.74 | | Westfield†..... | 45 | -17 | 19.2 | 0.95 | 7.5 |
| Norfolk..... | | | | | | Harpers Ferry†..... | | | | | | Whitehall†..... | 49 | -26 | 15.4 | 1.10 | 9.0 |
| Nottoway..... | 61 | 4 | 36.4 | 3.26 | | Hewett†..... | 59 | 6 | 35.4 | 0.67 | | <i>Wyoming.</i> | | | | | |
| Petersburg†..... | 62 | 9 | 37.0 | 2.58 | 0.4 | Hinton a†..... | 58 | 4 | 35.6 | 0.92 | | Bighorn Ranch..... | 56 | -17 | 26.4 | 0.40 | 6.0 |
| Radford†..... | | | | | | Hinton b†..... | 58 | 4 | 35.6 | | | Cheyenne..... | | | | | |
| Richmond (near)†..... | 66 | 8 | 38.2 | 2.98 | T. | Leachtown†..... | | | | | | Embar†..... | | | | | |
| Rockymount†..... | 60 | 8 | 37.4 | 2.98 | | Marlinton†..... | 53 | -3 | 29.1 | 1.45 | 1.1 | Fort Laramie†..... | 60 | -20 | 30.0 | 1.29 | 13.0 |
| Salem†..... | 64 | 8 | 36.2 | 2.82 | T. | Martinsburg†..... | 60 | 5 | 31.2 | 1.60 | | Fort Washakie..... | 60 | -20 | 26.0 | 0.25 | 2.5 |
| Salville..... | 61 | 5 | 35.1 | 0.75 | 0.4 | Morgantown a†..... | | | | | | Fort Yellowstone†..... | 48 | -7 | 25.6 | 2.21 | 21.8 |
| Smithville†..... | 54 | 10 | 35.6 | 1.85 | | Morgantown b†..... | 51 | -1 | 31.0 | 0.96 | 0.9 | Lander (V. O.)..... | 52 | -15 | 27.4 | 0.40 | 4.0 |
| Speers Ferry†..... | | | | | | New Martinsville†..... | 52 | 5 | 32.6 | 1.91 | | Laramie..... | 57 | -2 | 27.6 | 0.44 | T. |
| Spottsville†..... | 61 | 10 | 35.5 | 2.81 | 0.1 | Nuttallburg†..... | 59 | -5 | 32.1 | 1.80 | 4.0 | Lusk†..... | 57 | -19 | 25.0 | 0.73 | |
| Standardsville†..... | 62 | 4 | 32.7 | 2.41 | 0.3 | Oldfields†..... | 54 | 2 | 31.0 | 1.34 | 0.2 | Sheridan..... | 56 | -25 | 18.0 | 1.05 | 10.5 |
| Staunton†..... | 63 | 5 | 33.6 | 2.55 | | Parkersburg..... | | | | | | Sundance..... | 46 | -22 | 23.0 | 0.70 | 7.0 |
| Stephens City†..... | 58 | 3 | 31.6 | 2.73 | T. | Pennsboro..... | 59 | 1 | 33.1 | 1.29 | 1.0 | Wheatland†..... | 59 | -15 | 35.9 | 1.70 | 17.0 |
| Sumbeam†..... | 55 | 10 | 36.8 | 2.26 | | Point Pleasant†..... | 56 | 3 | 34.2 | 1.59 | | <i>Mexico.</i> | | | | | |
| Warsaw†..... | 61 | 7 | 34.4 | 1.67 | | Powellton†..... | 57 | 2 | 33.8 | 1.54 | 3.2 | Ciudad P. Diaz..... | 86 | 22 | 55.2 | 1.11 | |
| Westbrook Farm..... | 60 | 9 | 35.8 | | | Rowlesburg†..... | | | | | | Leon de Aldamas..... | 75 | 36 | 57.4 | 0.18 | |
| Wytheville..... | 58 | 3 | 32.4 | 1.76 | 0.5 | Sandyville†..... | 59 | 3 | 32.8 | 1.43 | | Mexico..... | 72 | 36 | 54.7 | 0.02 | |
| Washington..... | | | | | | Spencer†..... | 50 | 2 | 32.0 | 1.70 | 1.0 | Puebla..... | 77 | 41 | 58.5 | T. | |
| Aberdeen..... | 55 | 27 | 41.1 | 22.32 | 2.5 | Tannery* ¹ | 50 | 4 | 29.9 | 3.8 | | <i>New Brunswick.</i> | | | | | |
| Anacortes..... | | | | | | Weston a†..... | | | | | | St. John..... | 40 | -12 | 16.8 | 1.94 | 16.2 |
| Ashford..... | | | | | | Weston b* ¹ | 60 | 2 | 33.7 | | | <i>West Indies.</i> | | | | | |
| Blaine†..... | 57 | 9 | 34.4 | 7.05 | 8.8 | Wheeling a†..... | | | | | | Grand Turk Island..... | | | | | |
| Centerville†..... | 56 | 13 | 35.0 | 2.03 | 9.5 | Wheeling b†..... | 56 | 6 | 34.2 | 2.12 | 0.5 | | | | | | |
| Chehalis†..... | 55 | 21 | 39.2 | 7.76 | 5.9 | Amherst..... | 47 | -16 | 16.4 | 1.01 | 10.0 | | | | | | |
| Colfax†..... | 55 | 8 | 34.2 | 2.87 | 6.2 | Antigon†..... | 41 | -24 | 15.4 | 0.99 | 9.9 | | | | | | |
| Connell†..... | | | | | | Apollonia * ¹ | 38 | -25 | 16.4 | 1.00 | 10.0 | | | | | | |
| Coupeville†..... | 56 | 21 | 40.6 | 3.34 | 8.2 | Barron†..... | 40 | -28 | 12.4 | 1.63 | 13.5 | | | | | | |
| East Clallam..... | | | | | | Bayfield..... | | | | | | | | | | | |
| Eastsound†..... | 58 | 17 | 40.0 | 4.69 | 13.8 | Beloit..... | 48 | -15 | 15.4 | 0.70 | 7.0 | | | | | | |
| Ellensburg†..... | 41 | -3 | 33.5 | 1.89 | | Boscobel†..... | 48 | -13 | 24.2 | 0.41 | 4.5 | | | | | | |
| Ellensburg (near)..... | 40 | -2 | 24.2 | 2.16 | 30.0 | Butternut†..... | 37 | -38 | 13.4 | 1.54 | 15.0 | | | | | | |
| Fort Canby..... | | | | | | Centralia..... | 43 | -20 | 18.6 | 0.67 | 7.5 | | | | | | |
| Fort Simcoe..... | 55 | 12 | 32.6 | 3.12 | 23.0 | Chilton..... | 47 | -16 | 19.6 | 0.99 | 7.4 | | | | | | |
| Fort Spokane..... | 52 | -3 | 27.6 | 2.55 | 13.0 | Citypoint..... | 46 | | | | | | | | | | |
| Grandmound†..... | 54 | 19 | 39.8 | 7.08 | 8.8 | Crandon†..... | 38 | -30 | 8.8 | 0.60 | 6.0 | | | | | | |
| Hunters†..... | 57 | -6 | 25.3 | 3.26 | 15.0 | Delavan†..... | 48 | -14 | 23.2 | 0.59 | 5.2 | | | | | | |
| Kennewick..... | 74 | 10 | 40.2 | 0.35 | 4.0 | Depere†..... | 41 | -16 | 18.4 | 1.38 | 11.0 | | | | | | |
| Lakeside†..... | 50 | 8 | 28.1 | 2.50 | 20.0 | Eau Claire..... | 50 | -24 | 18.4 | 1.40 | 10.5 | | | | | | |
| Lapush†..... | 54 | 25 | 43.0 | 21.46 | 1.8 | Florence†..... | 38 | -26 | 15.0 | 0.92 | 10.6 | | | | | | |
| Madrone* ¹¹ | 57 | 25 | 40.8 | 10.80 | 10.5 | Fond du Lac†..... | 41 | -17 | 19.2 | 0.94 | 6.0 | | | | | | |
| Mayfield†..... | 56 | 20 | 38.0 | 7.24 | 4.8 | Grantsburg†..... | 48 | -24 | 14.9 | 1.15 | 11.5 | | | | | | |
| Montecristo†..... | 50 | 15 | 33.3 | 18.43 | 87.0 | Grand River..... | | | | | | | | | | | |
| Moxee Valley†..... | 58 | 9 | 31.4 | 0.46 | 2.0 | Green Bay..... | | | | | | | | | | | |
| Neahbay..... | | | | | | Harford..... | | | | | | | | | | | |
| New Whatcom†..... | 59 | 15 | 39.8 | 3.16 | 10.5 | Harvey†..... | 43 | -13 | 22.2 | 1.16 | 8.4 | | | | | | |
| Olga†..... | 55 | 17 | 40.0 | 3.54 | 9.5 | Hayward†..... | 39 | -39 | 10.5 | 2.40 | 22.0 | | | | | | |
| Olympia†..... | 55 | 23 | 41.1 | 10.86 | 1.0 | Hillsboro..... | 51 | -13 | 19.2 | 1.57 | 9.5 | | | | | | |
| Pine Hill†..... | 49 | 17 | 34.4 | 4.42 | 25.2 | Meadow Valley†..... | 53 | -19 | 17.2 | 0.49 | 7.8 | | | | | | |
| Pomeroy†..... | 62 | 11 | 38.9 | 3.38 | 16.8 | Medford†..... | 46 | -31 | 14.1 | | | | | | | | |
| Port Angeles..... | | | | | | Menasha..... | | | | | | | | | | | |
| Port Crescent..... | | | | | | Neillsville†..... | 44 | -25 | 15.4 | 1.16 | 8.0 | | | | | | |
| Pullman†..... | 51 | 5 | 32.2 | 2.75 | 8.0 | Lancaster†..... | 47 | -14 | 19.2 | 0.89 | 6.0 | | | | | | |
| Pysh†..... | | | | | | Lincoln† ² | 37 | -28 | 23.8 | 1.42 | 11.5 | | | | | | |
| Rosalia†..... | 50 | -2 | 31.0 | 2.75 | 6.2 | Madison†..... | 50 | -13 | 21.6 | 0.85 | 4.8 | | | | | | |
| Seattle..... | | | | | | Manitowoc†..... | 49 | -13 | 22.4 | 1.05 | 7.0 | | | | | | |
| Shoalwater Bay* ¹⁰ | 58 | 27 | 42.4 | | 3.9 | Meadow Valley†..... | 53 | -19 | 17.2 | 0.49 | 7.8 | | | | | | |
| Silvercreek* ¹ | 53 | 19 | 38.8 | 6.82 | 8.0 | Menasha..... | | | | | | | | | | | |
| Snohomish†..... | 59 | 21 | 40.7 | 7.38 | 4.7 | Neillsville†..... | 44 | -25 | 15.4 | 1.16 | 8.0 | | | | | | |
| Southbend†..... | 67 | 22 | 42.8 | 17.44 | | | | | | | | | | | | | |

TABLE III.—Data from Canadian stations for the month of January, 1896.

| Stations. | Pressure. | | | Temperature. | | Precipitation. | | Prevailing direction of wind. | | Total depth of snow. | |
|------------------------------|-------------------|---------|---------|---------------|-------|------------------------|---------|-------------------------------|-------|----------------------|--|
| | Mean not reduced. | | | Mean reduced. | | Departure from normal. | | Departure from normal. | | | |
| | Inches. | Inches. | Inches. | ° | ° | Inches. | Inches. | Total. | Mean. | | |
| St. Johns, N. F. | 29.70 | 29.85 | + .01 | 26.8 | + 3.2 | 10.38 | ..... | n. | 46.0 | 34.5 | |
| Sydney, C. B. I. | 29.90 | 29.96 | + .06 | 24.0 | + 4.5 | 3.87 | - 0.94 | n.w. | 32.32 | 21.2 | |
| Halifax, N. S. | 29.94 | 30.08 | + .12 | 21.2 | + 0.2 | 1.73 | - 3.96 | ne. | 33.30 | 30.15 | |
| Grand Manan, N. B. | 30.05 | 30.10 | + .06 | 20.5 | + 1.7 | 1.45 | - 3.32 | n.w. | 31.9 | 30.14 | |
| Yarmouth, N. S. | 30.00 | 30.08 | + .06 | 23.8 | + 1.7 | 1.97 | - 3.25 | n.w. | 32.19 | 30.23 | |
| St. Andrews, N. B. | 30.00 | 30.04 | ..... | 16.4 | ..... | 0.56 | - 2.73 | n.w. | 32.20 | 30.19 | |
| Charlottet' n, P. E. I. | 30.00 | 30.04 | ..... | 18.6 | ..... | 1.81 | - 1.60 | w. | 32.72 | 30.19 | |
| Chatham, N. B. | 30.08 | 30.10 | + .08 | 9.6 | + 3.6 | 2.19 | - 1.09 | n.w. | 32.15 | 30.15 | |
| Father Point, Que. | 30.14 | 30.17 | + .15 | 5.6 | + 0.4 | 1.81 | - 0.89 | n. | 32.08 | 30.17 | |
| Quebec, Que. | 29.83 | 30.19 | + .13 | 9.2 | + 2.2 | 1.10 | - 2.57 | ne. | 32.33 | 30.19 | |
| Montreal, Que. | 29.97 | 30.30 | + .12 | 11.1 | + 1.1 | 2.08 | - 1.20 | n.w. | 32.08 | 30.25 | |
| Rockcliffe, Ont. | 29.68 | 30.18 | + .12 | 5.8 | + 2.3 | 1.50 | - 0.51 | se. | 32.23 | 30.21 | |
| Kingston, Ont. | 29.84 | 30.18 | + .10 | 14.0 | - 1.0 | 1.59 | - 1.67 | ne. | 32.19 | 30.22 | |
| Toronto, Ont. | 29.76 | 30.17 | + .08 | 21.6 | + 2.6 | 3.93 | + 1.42 | ne. | 32.07 | 30.08 | |
| White River, Ont. | 29.70 | 30.16 | ..... | 3.3 | + 4.7 | 3.19 | + 1.86 | n. | 31.7 | 30.21 | |
| Port Stanley, Ont. | 29.48 | 30.16 | - .06 | 24.3 | ..... | 1.38 | - 1.30 | w. | 9.5 | 29.84 | |

TABLE IV.—Meteorological observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, Meteorologist to the Government Survey.

Pressure is corrected for temperature and reduced to sea level, but the gravity correction, -0.06, is still to be applied.

The absolute humidity is expressed in grains of water, per cubic foot, and is the average of four observations daily.

The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 10. Two directions of wind, connected by a dash, indicate change from one to the other; also same for force.

The rainfall for twenty-four hours is given as measured at 6 a. m. on the respective dates.

| January, 1896. | Pressure at sea level. | | | Temperature. | | Humidity. | | Wind. | | Rain measured at 6 a. m. | | | | |
|----------------|------------------------|---------|---------|--------------|---------|-----------|---------|----------|----------|--------------------------|-------------|--------|------|------|
| | 9 a. m. | 3 p. m. | 9 p. m. | 6 a. m. | 2 p. m. | 9 a. m. | 9 p. m. | Maximum. | Minimum. | Direction. | Cloudiness. | Force. | | |
| 1 .. | Ins. | Ins. | Ins. | 62 | o | 76 | 65 | 72 | 72 | 1 | 1 | 1 | Ins. | |
| 2 .. | 29.95 | 29.89 | 29.86 | 62 | o | 76 | 69 | 79 | 79 | 1 | 1 | 1 | 0.08 | |
| 3 .. | 30.00 | 29.93 | 30.04 | 70 | 71 | 76 | 69 | 79 | 79 | 1 | 1 | 1 | 0.03 | |
| 4 .. | 30.05 | 29.97 | 30.05 | 65 | 76 | 69 | 78 | 65 | 80 | 2 | 2 | 2 | 0.25 | |
| 5 .. | 30.06 | 29.95 | 30.03 | 71 | 74 | 72 | 76 | 67 | 93 | 8.2 | 8.2 | 8.2 | 0.25 | |
| 6 .. | 30.05 | 29.98 | 30.07 | 70 | 73 | 65 | 78 | 70 | 90 | 7.5 | 7.5 | 7.5 | 0.25 | |
| 7 .. | 30.07 | 29.98 | 30.06 | 67 | 73 | 67 | 76 | 67 | 70 | 6.2 | 6.2 | 6.2 | 0.05 | |
| 8 .. | 30.09 | 29.98 | 30.06 | 67 | 71 | 79 | 64 | 73 | 66 | 6.3 | 6.3 | 6.3 | 0.01 | |
| 9 .. | 30.06 | 29.97 | 30.04 | 71 | 71 | 65 | 73 | 63 | 67 | 5.9 | e-s. | 5.9 | 0.01 | |
| 10 .. | 30.02 | 29.93 | 29.99 | 64 | 76 | 67 | 73 | 63 | 85 | 6.7 | s. | 1 | 0.00 | |
| 11 .. | 29.98 | 29.89 | 29.97 | 65 | 75 | 69 | 71 | 65 | 73 | 6.8 | s.w. | 3-10 | 0.00 | |
| 12 .. | 30.03 | 29.94 | 30.03 | 63 | 76 | 67 | 71 | 63 | 75 | 5.8 | n. | 5.8 | 0.02 | |
| 13 .. | 30.10 | 29.99 | 30.03 | 60 | 75 | 62 | 76 | 57 | 80 | 5.0 | s. | 1 | 0.00 | |
| 14 .. | 30.05 | 30.00 | 30.03 | 59 | 73 | 63 | 75 | 58 | 79 | 5.5 | sw. | 1 | 0.00 | |
| 15 .. | 29.97 | 29.88 | 29.93 | 61 | 76 | 70 | 78 | 60 | 81 | 6.4 | sw. | 1 | 0-8 | |
| 16 .. | 29.93 | 29.87 | 29.96 | 67 | 73 | 68 | 77 | 67 | 95 | 7.3 | sw. | 1 | 0.24 | |
| 17 .. | 29.97 | 29.87 | 29.92 | 68 | 77 | 74 | 78 | 64 | 79 | 80 | 7.3 | sw. | 1 | 0.15 |

TABLE III.—Data from Canadian stations—Continued.

| Stations. | Pressure. | | | Temperature. | | Precipitation. | | Prevailing direction of wind. | | Total depth of snow. | |
|---------------------------|-------------------|---------|---------|---------------|-------|------------------------|---------|-------------------------------|-------|----------------------|--|
| | Mean not reduced. | | | Mean reduced. | | Departure from normal. | | Departure from normal. | | | |
| | Inches. | Inches. | Inches. | ° | ° | Inches. | Inches. | Total. | Mean. | | |
| Saugeen, Ont. | 29.38 | 30.14 | + .08 | 21.2 | ..... | ..... | ..... | ..... | ..... | 30.3 | |
| Parry Sound, Ont. | 29.40 | 30.15 | + .07 | 12.8 | ..... | ..... | ..... | ..... | ..... | 30.0 | |
| Port Arthur, Ont. | 29.39 | 30.14 | + .04 | 8.8 | ..... | ..... | ..... | ..... | ..... | 5.5 | |
| Winnipeg, Man. | 29.31 | 30.23 | + .05 | 4.5 | ..... | ..... | ..... | ..... | ..... | 9.9 | |
| Minnedosa, Man. | 28.20 | 30.19 | + .03 | 4.0 | ..... | ..... | ..... | ..... | ..... | 13.4 | |
| Qu'Appelle, Assin. | 27.72 | 30.19 | + .03 | 2.9 | ..... | ..... | ..... | ..... | ..... | 6.4 | |
| Medicine Hat, Assin. | 27.66 | 30.15 | - .03 | 6.9 | ..... | ..... | ..... | ..... | ..... | 13.8 | |
| Swift Curr't, Assin. | 27.38 | 30.17 | - .01 | 4.3 | ..... | ..... | ..... | ..... | ..... | 7.2 | |
| Calgary, Alberta. | 26.26 | 30.08 | - .10 | 1.9 | ..... | ..... | ..... | ..... | ..... | 9.0 | |
| Prince Albert, Sask. | 28.56 | 30.25 | - .11 | 0.0 | ..... | ..... | ..... | ..... | ..... | 15.6 | |
| Edmonton, Alberta. | 27.64 | 30.21 | + .09 | 4.5 | ..... | ..... | ..... | ..... | ..... | 4.0 | |
| Battleford, Sask. | 28.29 | 30.22 | - .03 | 5.7 | ..... | ..... | ..... | ..... | ..... | 3.7 | |
| Spences Br'ge, B. C. | 29.08 | 29.96 | ..... | 23.4 | ..... | ..... | ..... | ..... | ..... | 10.7 | |
| Hamilton, Bermuda. | 29.02 | 30.08 | - .05 | 60.3 | ..... | ..... | ..... | ..... | ..... | n. | |
| Banff, Alberta. | 29.55 | 30.21 | - .03 | 9.5 | ..... | ..... | ..... | ..... | ..... | 14.0 | |
| Esquimalt, B. C. | 29.81 | 29.84 | ..... | 38.0 | ..... | ..... | ..... | ..... | ..... | 16.9 | |

TABLE IV.—Meteorological observations at Honolulu—Continued.

| November, 1895. | Pressure at sea level. | | | Temperature. | | Humidity. | | Wind. | | Rain measured at 6 a. m. | | | |
|-----------------|------------------------|---------|---------|--------------|---------|-----------|---------|----------|-----------|--------------------------|--------|-------------|--------------|
| | 9 a. m. | 3 p. m. | 9 p. m. | 6 a. m. | 2 p. m. | 9 a. m. | 9 p. m. | Maximum. | Absolute. | Direction. | Force. | Cloudiness. | |
| 18 .. | Ins. | Ins. | Ins. | 74 | o | 76 | 80 | 74 | 74 | 7.9 | sw. | 4 | 3-10 0.00 |
| 19 .. | 29.98 | 29.92 | 30.04 | 71 | 71 | 69 | 70 | 71 | 85 | 90 | w. | 1 | 10-7 0.15 |
| 20 .. | 30.10 | 30.04 | 30.12 | 64 | 76 | 70 | 79 | 64 | 76 | 84 | sw-n. | 1-0 | 0.03 |
| 21 .. | 30.14 | 30.03 | 30.10 | 67 | 71 | 73 | 73 | 67 | 90 | 90 | s.e. | 1 | * 0.03 |
| 22 .. | 30.00 | 29.93 | 29.99 | 68 | 78 | 69 | 78 | 68 | 86 | 90 | sw. | 1 | 10-2 0.03 |
| 23 .. | 30.04 | 29.94 | 30.01 | 65 | 77 | 66 | 79 | 65 | 74 | 90 | sw. | 1 | 3 0.30 |
| 24 .. | 30.02 | 29.90 | 29.99 | 62 | 77 | 66 | 78 | 62 | 74 | 90 | sw. | 1 | 0 0.00 |
| 25 .. | 30.03 | 29.96 | 30.04 | 63 | 77 | 67 | 78 | 67 | 76 | 84 | sw. | 2-0 | 1 0.00 |
| 26 .. | 30.03 | 29.96 | 30.04 | 63 | 77 | 67 | 78 | 67 | 76 | 84 | sw. | 1 | 0-5 0.00 |
| 27 .. | 30.06 | 30.02 | 30.10 | 63 | 77 | 67 | 78 | 63 | 74 | 86 | n-s-e. | 1-0 | 0-5 0.00 |
| 28 .. | 30.11 | 30.03 | 30.08 | 70 | 79 | 73 | 75 | 73 | 86 | 90 | s. | 1 | 9 0.01 |
| 29 .. | 30.04 | 29.91 | 30.02 | 64 | 73 | 65 | 78 | 73 | 87 | 87 | nne. | 4-1 | 10 0.00 |
| 30 .. | 30.10 | 30.02 | 30.14 | 65 | 73 | 69 | 75 | 65 | 76 | 83 | nne. | 2-5 | 10-3 0.78 |
| 31 .. | 30.17 | 30.09 | 30.20 | 68 | 74 | 69 | 75 | 67 | 87 | 80 | 6.0 | 6-4 | 3 0.00 |
| | 30.04 | 29.95 | 30.03 | 66.4 | 76.1 | 69.3 | 77.9 | 65.4 | 78.3 | 84.2 | 6.8 | ..... | 1.6 4.3 2.38 |

* 10-2-10.

Mean temperature: $6+2+9+3 = 70.7$; the normal is 70.0; extreme temperatures, 80° and 57° . Two directions of wind, connected by a dash, indicate change from one to the other; also same for force.

Slight earthquake at 2:45 a. m. on the 23d.

Southerly winds prevailed the entire month, more than normal.

Sudden change to north with strong wind on the night of 29th, barometer rose from 30.00 to 30.20.

Storm periods for the month 8, 16-20th and 31st.

TABLE V.—*Mean temperature for each hour of seventy-fifth meridian time, January, 1896.*

| Stations. | 75° M. T. | | | | | | | | | | | | 75° M. T. | | | | | | | | | | | | Midnight. | Mean. |
|----------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|-------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|------|-----------|-------|
| | 1 a. m. | 2 a. m. | 3 a. m. | 4 a. m. | 5 a. m. | 6 a. m. | 7 a. m. | 8 a. m. | 9 a. m. | 10 a. m. | 11 a. m. | Noon. | 1 p. m. | 2 p. m. | 3 p. m. | 4 p. m. | 5 p. m. | 6 p. m. | 7 p. m. | 8 p. m. | 9 p. m. | 10 p. m. | 11 p. m. | | | |
| Bismarck, N. Dak. | 5.3 | 23.2 | 4.8 | 4.7 | 4.7 | 5.1 | 4.9 | 4.9 | 4.2 | 4.9 | 6.1 | 8.1 | 12.1 | 13.0 | 13.5 | 11.9 | 9.8 | 8.7 | 7.5 | 6.6 | 6.0 | 5.2 | 5.2 | 7.5 | | |
| Boston, Mass. | 23.4 | 23.9 | 33.1 | 22.6 | 22.4 | 21.7 | 21.7 | 22.0 | 22.4 | 22.4 | 22.8 | 23.0 | 23.5 | 23.5 | 23.5 | 23.2 | 23.3 | 23.2 | 23.5 | 23.0 | 23.5 | 23.0 | 23.5 | 23.5 | | |
| Buffalo, N. Y. | 24.3 | 24.6 | 33.9 | 24.1 | 24.0 | 24.0 | 24.2 | 24.1 | 24.4 | 25.1 | 26.1 | 26.7 | 27.5 | 27.6 | 27.9 | 27.2 | 26.7 | 26.3 | 26.0 | 25.5 | 25.2 | 25.0 | 25.0 | 25.5 | | |
| Chicago, Ill. | 26.0 | 25.5 | 25.3 | 25.1 | 24.8 | 24.6 | 24.5 | 24.8 | 24.7 | 25.3 | 26.3 | 27.5 | 28.6 | 29.5 | 29.5 | 29.5 | 29.4 | 29.4 | 28.8 | 28.2 | 28.0 | 27.7 | 27.4 | 27.0 | | |
| Cincinnati, Ohio | 22.3 | 32.1 | 31.6 | 31.2 | 30.8 | 30.4 | 30.5 | 30.6 | 31.1 | 32.2 | 33.5 | 34.7 | 35.6 | 36.6 | 37.1 | 37.0 | 36.1 | 35.6 | 35.0 | 34.4 | 34.0 | 33.7 | 33.7 | 33.5 | | |
| Cleveland, Ohio | 26.6 | 26.8 | 26.7 | 26.4 | 26.5 | 26.2 | 26.1 | 26.2 | 26.5 | 27.4 | 28.6 | 29.5 | 30.0 | 30.4 | 30.0 | 29.7 | 29.2 | 28.7 | 28.2 | 27.9 | 27.9 | 27.5 | 27.5 | 28.0 | | |
| Detroit, Mich. | 24.5 | 24.6 | 24.6 | 24.4 | 24.1 | 23.9 | 23.7 | 23.7 | 24.0 | 25.1 | 26.0 | 26.6 | 27.1 | 27.5 | 27.6 | 27.4 | 27.1 | 26.7 | 26.7 | 26.5 | 26.2 | 25.7 | 25.6 | 25.7 | | |
| Dodge City, Kans. | 31.2 | 30.2 | 29.7 | 29.5 | 28.6 | 27.8 | 27.3 | 27.3 | 28.4 | 28.8 | 28.8 | 29.3 | 29.6 | 29.6 | 29.5 | 29.5 | 29.4 | 29.4 | 29.3 | 29.2 | 29.0 | 28.8 | 28.6 | 28.5 | | |
| Eastport, Me. | 18.6 | 18.0 | 17.7 | 17.4 | 17.0 | 16.6 | 15.9 | 15.9 | 17.6 | 18.7 | 20.0 | 21.1 | 21.4 | 21.5 | 21.2 | 20.7 | 20.3 | 19.8 | 19.7 | 19.5 | 19.1 | 18.8 | 18.2 | 18.8 | | |
| Galveston, Tex. | 52.7 | 52.5 | 52.5 | 52.1 | 51.8 | 51.5 | 51.2 | 50.7 | 50.9 | 52.0 | 52.9 | 54.0 | 54.6 | 54.9 | 53.3 | 55.0 | 54.9 | 54.3 | 54.1 | 54.0 | 53.8 | 53.7 | 53.5 | 53.1 | | |
| Havre, Mont. | 8.0 | 8.5 | 8.1 | 7.6 | 8.5 | 7.7 | 7.3 | 6.1 | 5.2 | 4.7 | 4.5 | 5.9 | 7.0 | 9.1 | 10.6 | 11.4 | 11.3 | 9.7 | 9.0 | 8.1 | 9.0 | 9.4 | 8.9 | 8.2 | | |
| Kansas City, Mo. | 65.2 | 65.1 | 65.0 | 65.0 | 64.9 | 64.8 | 64.7 | 64.9 | 65.6 | 66.6 | 67.2 | 68.1 | 68.1 | 68.0 | 67.5 | 67.1 | 66.5 | 66.2 | 66.1 | 65.7 | 65.7 | 65.6 | 65.6 | 66.1 | | |
| Key West, Fla. | 63.2 | 63.1 | 63.0 | 63.0 | 62.9 | 62.8 | 62.7 | 62.7 | 63.4 | 63.7 | 63.9 | 64.6 | 64.2 | 64.2 | 64.5 | 64.0 | 64.5 | 64.7 | 64.3 | 64.2 | 64.7 | 64.1 | 64.2 | 64.5 | | |
| Memphis, Tenn. | 41.4 | 40.6 | 39.7 | 39.3 | 38.8 | 38.4 | 37.8 | 37.4 | 37.4 | 37.9 | 39.0 | 40.6 | 41.8 | 42.2 | 42.2 | 42.5 | 42.0 | 42.3 | 42.3 | 42.0 | 41.6 | 41.2 | 41.7 | 41.5 | | |
| New Orleans, La. | 49.5 | 49.3 | 49.0 | 48.7 | 48.3 | 48.0 | 47.8 | 47.8 | 48.0 | 49.1 | 51.1 | 53.3 | 55.8 | 55.8 | 55.6 | 55.6 | 57.0 | 56.6 | 54.9 | 53.2 | 51.7 | 51.0 | 50.6 | 51.7 | | |
| New York, N. Y. | 26.0 | 25.8 | 25.5 | 25.3 | 25.1 | 24.9 | 25.1 | 24.9 | 25.2 | 26.2 | 27.6 | 28.4 | 29.7 | 30.1 | 30.8 | 30.6 | 30.1 | 29.7 | 29.1 | 28.2 | 27.5 | 27.1 | 26.9 | 27.3 | | |
| Philadelphia, Pa. | 29.4 | 29.0 | 28.8 | 28.6 | 28.5 | 28.0 | 27.8 | 28.0 | 28.5 | 29.7 | 31.3 | 32.4 | 33.5 | 34.1 | 34.3 | 34.2 | 33.5 | 32.8 | 32.2 | 32.1 | 31.0 | 30.6 | 30.1 | 30.8 | | |
| Pittsburg, Pa. | 29.8 | 29.5 | 29.1 | 28.9 | 28.8 | 28.9 | 29.0 | 29.2 | 29.8 | 30.7 | 32.0 | 33.1 | 34.3 | 34.9 | 35.3 | 35.4 | 34.3 | 33.7 | 33.2 | 32.9 | 31.8 | 31.3 | 31.0 | 31.7 | | |
| Portland, Oreg. | 40.6 | 40.7 | 40.2 | 40.2 | 40.0 | 39.9 | 39.6 | 39.8 | 39.7 | 40.1 | 40.3 | 41.0 | 42.2 | 42.8 | 43.7 | 43.7 | 44.4 | 44.0 | 43.5 | 43.1 | 42.3 | 41.9 | 41.0 | 41.5 | | |
| St. Louis, Mo. | 33.2 | 32.7 | 32.3 | 31.8 | 31.4 | 31.1 | 30.8 | 30.6 | 30.7 | 31.3 | 33.0 | 35.4 | 36.9 | 38.3 | 39.3 | 40.1 | 39.9 | 39.2 | 38.5 | 37.5 | 36.8 | 35.8 | 35.0 | 34.5 | | |
| St. Paul, Minn. | 14.5 | 13.9 | 13.4 | 12.7 | 12.5 | 12.2 | 12.3 | 12.2 | 12.0 | 12.5 | 14.3 | 16.6 | 18.3 | 19.4 | 20.7 | 21.4 | 21.2 | 20.5 | 19.3 | 18.7 | 17.9 | 17.2 | 16.3 | 16.1 | | |
| Salt Lake City, Utah | 31.7 | 31.5 | 31.2 | 31.3 | 30.9 | 30.7 | 30.9 | 30.1 | 30.5 | 31.0 | 33.2 | 35.5 | 37.0 | 38.3 | 38.5 | 38.9 | 38.7 | 37.9 | 36.8 | 34.8 | 34.1 | 33.2 | 33.5 | 33.7 | | |
| San Diego, Cal. | 52.6 | 52.6 | 51.8 | 51.4 | 51.3 | 51.2 | 51.1 | 50.6 | 50.3 | 49.9 | 52.4 | 55.5 | 58.5 | 60.3 | 61.1 | 61.5 | 61.4 | 60.8 | 58.4 | 56.6 | 55.1 | 54.2 | 53.8 | 55.1 | | |
| San Francisco, Cal. | 51.8 | 51.8 | 51.2 | 51.1 | 50.6 | 50.1 | 50.0 | 49.7 | 49.6 | 49.7 | 50.4 | 51.1 | 52.3 | 53.1 | 54.2 | 55.4 | 54.5 | 53.7 | 53.2 | 52.7 | 52.5 | 52.0 | 52.0 | 52.0 | | |
| Savannah, Ga. | 44.8 | 44.2 | 43.8 | 43.6 | 43.4 | 43.0 | 42.8 | 43.4 | 45.4 | 48.8 | 51.7 | 53.9 | 54.6 | 55.9 | 55.3 | 51.6 | 50.5 | 49.7 | 48.4 | 47.3 | 46.6 | 45.9 | 48.5 | | | |
| Washington, D. C. | 30.7 | 30.4 | 30.0 | 29.7 | 29.4 | 29.4 | 29.3 | 29.6 | 30.9 | 32.8 | 34.2 | 35.4 | 36.5 | 38.0 | 38.0 | 38.1 | 37.4 | 36.2 | 34.9 | 33.9 | 33.1 | 32.4 | 31.4 | 33.0 | | |

* Record incomplete.

TABLE VI.—*Mean pressure for each hour of seventy-fifth meridian time, January, 1896.*

| Stations. | 75° M. T. | | | | | | | | | | | | 75° M. T. | | | | | | | | | | | | Midnight. | Mean. |
|-------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|-------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|------|-----------|-------|
| | 1 a. m. | 2 a. m. | 3 a. m. | 4 a. m. | 5 a. m. | 6 a. m. | 7 a. m. | 8 a. m. | 9 a. m. | 10 a. m. | 11 a. m. | Noon. | 1 p. m. | 2 p. m. | 3 p. m. | 4 p. m. | 5 p. m. | 6 p. m. | 7 p. m. | 8 p. m. | 9 p. m. | 10 p. m. | 11 p. m. | | | |
| Bismarck, N. Dak. | 29.302 | .291 | .287 | .287 | .286 | .286 | .286 | .285 | .292 | .298 | .304 | .310 | .302 | .290 | .272 | .274 | .284 | .297 | .310 | .315 | .312 | .316 | .318 | .326 | | |
| Boston, Mass. | 29.995 | .002 | .003 | .001 | .001 | .013 | .022 | .035 | .044 | .044 | .031 | .011 | .995 | .990 | .996 | .996 | .004 | .010 | .016 | .016 | .019 | .021 | .018 | .013 | | |
| Buffalo, N. Y. | 29.360 | .363 | .365 | .359 | .353 | .357 | .365 | .371 | .385 | .391 | .390 | .375 | .358 | .356 | .364 | .368 | .376 | .388 | .381 | .381 | .382 | .379 | .374 | .370 | | |
| Chicago, Ill. | 29.225 | .224 | .232 | .230 | .228 | .227 | .233 | .243 | .250 | .257 | .261 | .253 | .234 | .214 | .205 | .205 | .214 | .218 | .218 | .225 | .229 | .228 | .231 | .228 | | |
| Cincinnati, Ohio | 29.493 | .493 | .500 | .499 | .496 | .499 | .500 | .518 | .530 | .539 | .528 | .506 | .486 | .486 | .486 | .497 | .497 | .499 | .502 | .504 | .502 | .502 | .502 | .504 | .504 | |
| Cleveland, Ohio | 29.328 | .329 | .336 | .335 | .333 | .339 | .339 | .343 | .346 | .351 | .351 | .337 | .317 | .307 | .309 | .316 | .333 | .329 | .333 | .338 | .333 | .335 | .331 | .332 | .332 | |
| Detroit, Mich. | 29.337 | .336 | .340 | .339 | .335 | .337 | .343 | .349 | .355 | .363 | .367 | .359 | .337 | .327 | .324 | .328 | .333 | .337 | .346 | .348 | .348 | .348 | .345 | .343 | .343 | |
| Dodge City, Kans. | 27.462 | .455 | .450 | .454 | .452 | .446 | .443 | .449 | .455 | .462 | .474 | .479 | .471 | .445 | .435 | .430 | .427 | .429 | .435 | .445 | .454 | .460 | .464 | .465 | .451 | |
| Eastport, Me. | 29.974 | .977 | .975 | .972 | .974 | .965 | .004 | .023 | .034 | .038 | .015 | .009 | .984 | .986 | .989 | .997 | .007 | .017 | .020 | .018 | .015 | .007 | .002 | .000 | | |
| Galveston, Tex. | 30.149 | .141 | .139 | .133 | .132 | .134 | .138 | .154 | .171 | .183 | .190 | .180 | .157 | .128 | .111 | .102 | .102 | .110 | .116 | .126 | .134 | .136 | .137 | .138 | | |
| Havre, Mont. | 27.935 | .336 | .339 | .336 | .345 | .347 | .349 | .353 | .368 | .385 | .395 | .401 | .405 | .385 | .366 | .352 | .348 | .347 | .343 | .342 | .343 | .344 | .345 | .347 | .356 | |
| Kansas City, Mo. | 29.126 | .122 | .125 | .127 | .124 | .119 | .124 | .129 | .135 | .144 | .156 | .163 | .140 | .116 | .102 | .101 | .104 | .108 | .117 | .121 | .126 | .124 | .127 | .124 | | |
| Key West, Fla. | 30.137 | .129 | .122 | .118 | .115 | .119 | .128 | .149 | .167 | .176 | .174 | .155 | .130 | .110 | .101 | .100 | .103 | .111 | .119 | .131 | .140 | .145 | .146 | .141 | .132 | |
| Memphis, Tenn. | 29.742 | .742 | .745 | .745 | .740 | .742 | .749 | .760 | .772 | .780 | .789 | .783 | .762 | .730 | .714 | .706 | .708 | .716 | .721 | .725 | .728 | .733 | .732 | .740 | | |
| New Orleans, La. | 30.190 | .127 | .126 | .124 | .121 | .120 | .120 | .127 | .125 | .105 | .096 | .092 | .096 | .104 | .115 | .122 | .124 | .126 | .130 | .130 | .127 | .127 | .127 | .126 | | |

TABLE VII.—Average wind movement for each hour of seventy-fifth meridian time, January, 1896.

* For 21½ days.

TABLE VII.—Average wind movement, etc.—Continued.

| Stations. | Wind movement. | | | | | | | | | | | | Temperature. | | | | | | | | | | | | |
|------------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|-----------|-------|
| | 1 a.m. | 2 a.m. | 3 a.m. | 4 a.m. | 5 a.m. | 6 a.m. | 7 a.m. | 8 a.m. | 9 a.m. | 10 a.m. | 11 a.m. | Noon. | 1 p.m. | 2 p.m. | 3 p.m. | 4 p.m. | 5 p.m. | 6 p.m. | 7 p.m. | 8 p.m. | 9 p.m. | 10 p.m. | 11 p.m. | Midnight. | Mean. |
| Pensacola, Fla. | 8.6 | 9.0 | 8.5 | 8.7 | 8.6 | 8.5 | 8.7 | 8.5 | 8.6 | 9.4 | 10.8 | 10.5 | 10.0 | 10.0 | 10.6 | 10.0 | 9.1 | 8.6 | 8.9 | 8.7 | 9.1 | 8.7 | 9.3 | 9.2 | |
| Philadelphia, Pa. | 9.9 | 9.9 | 10.3 | 10.2 | 10.1 | 9.7 | 10.1 | 10.6 | 11.8 | 12.5 | 12.9 | 13.2 | 12.9 | 12.8 | 12.5 | 12.2 | 11.6 | 10.2 | 9.6 | 10.0 | 9.7 | 9.6 | 9.5 | 10.9 | |
| Phoenix, Ariz. | 4.2 | 4.6 | 4.7 | 4.9 | 4.4 | 4.5 | 4.5 | 4.4 | 4.6 | 4.5 | 4.5 | 5.0 | 5.2 | 5.3 | 5.1 | 5.2 | 4.4 | 4.2 | 3.2 | 3.1 | 2.8 | 2.8 | 3.3 | 3.4 | 4.3 |
| Pierre, S. Dak. | 7.6 | 7.7 | 7.8 | 8.6 | 7.7 | 7.2 | 7.3 | 7.2 | 6.7 | 7.4 | 7.7 | 9.1 | 9.4 | 10.7 | 10.3 | 10.2 | 9.7 | 8.9 | 8.5 | 8.4 | 8.7 | 8.0 | 7.6 | 8.3 | |
| Pittsburg, Pa. | 6.4 | 6.2 | 6.2 | 6.2 | 6.0 | 6.3 | 6.2 | 6.2 | 6.5 | 7.2 | 7.5 | 7.7 | 7.7 | 7.9 | 7.6 | 7.8 | 7.6 | 6.9 | 6.9 | 6.6 | 6.6 | 6.8 | 6.6 | 6.3 | 6.9 |
| Port Angeles, Wash. | 5.7 | 5.1 | 5.6 | 5.8 | 5.3 | 5.3 | 5.0 | 5.6 | 5.8 | 6.1 | 6.2 | 6.1 | 6.7 | 7.1 | 7.2 | 6.7 | 6.6 | 5.8 | 5.8 | 5.8 | 5.5 | 5.4 | 5.1 | 5.9 | 5.9 |
| Port Huron, Mich. | 10.3 | 9.5 | 8.9 | 9.4 | 10.3 | 10.2 | 10.9 | 10.7 | 11.0 | 11.6 | 12.1 | 12.1 | 12.8 | 12.2 | 12.4 | 12.0 | 11.5 | 10.2 | 10.3 | 10.2 | 10.1 | 10.1 | 10.0 | 10.8 | |
| Portland, Me. | 7.2 | 7.3 | 7.5 | 7.1 | 6.9 | 6.7 | 6.3 | 6.5 | 7.5 | 7.8 | 8.3 | 8.4 | 8.1 | 7.7 | 7.3 | 7.4 | 6.6 | 7.1 | 7.4 | 7.6 | 7.6 | 7.1 | 7.4 | 7.4 | |
| Portland, Oreg. | 6.8 | 7.2 | 7.0 | 7.3 | 7.2 | 7.3 | 7.5 | 7.0 | 8.1 | 8.2 | 8.5 | 8.0 | 7.9 | 7.9 | 8.7 | 9.0 | 9.6 | 9.3 | 9.0 | 8.4 | 8.4 | 7.7 | 6.7 | 7.8 | |
| Pueblo, Colo. | 6.2 | 5.3 | 5.5 | 5.4 | 5.3 | 5.3 | 5.7 | 5.5 | 6.2 | 6.2 | 6.3 | 7.9 | 9.2 | 9.3 | 8.9 | 8.7 | 8.5 | 8.1 | 7.2 | 6.1 | 5.5 | 5.9 | 5.9 | 6.6 | |
| Raleigh, N. C. | 6.2 | 6.3 | 5.9 | 5.7 | 5.9 | 6.1 | 6.1 | 6.1 | 7.0 | 8.1 | 8.2 | 8.5 | 8.0 | 7.6 | 7.5 | 6.5 | 5.7 | 5.3 | 5.5 | 5.5 | 5.4 | 5.5 | 6.4 | 6.4 | |
| Rapid City, S. Dak. | 7.8 | 7.0 | 7.5 | 8.1 | 8.2 | 7.8 | 8.1 | 8.7 | 8.0 | 9.0 | 8.2 | 10.0 | 11.1 | 11.9 | 12.1 | 11.7 | 10.1 | 8.4 | 7.9 | 7.9 | 7.6 | 8.5 | 8.8 | 8.8 | |
| Red Bluff, Cal. | 9.0 | 8.9 | 8.7 | 8.4 | 8.8 | 9.1 | 9.3 | 9.0 | 9.1 | 9.2 | 9.2 | 9.4 | 9.7 | 9.0 | 9.5 | 9.6 | 8.6 | 8.6 | 8.9 | 8.8 | 9.2 | 9.2 | 9.0 | 9.0 | |
| Rochester, N. Y. | 8.2 | 8.0 | 7.9 | 7.6 | 7.5 | 7.6 | 7.9 | 7.4 | 7.2 | 7.1 | 8.8 | 8.9 | 9.6 | 9.9 | 9.2 | 8.6 | 8.7 | 8.4 | 7.7 | 7.6 | 7.8 | 7.5 | 7.5 | 7.5 | |
| Roseburg, Oreg. | 3.1 | 3.3 | 3.2 | 3.0 | 3.0 | 3.1 | 3.4 | 3.9 | 3.8 | 4.0 | 4.4 | 4.5 | 4.5 | 4.4 | 4.2 | 4.7 | 5.1 | 4.8 | 5.0 | 4.5 | 3.8 | 3.5 | 3.4 | 3.2 | |
| Sacramento, Cal. | 9.6 | 10.4 | 10.1 | 10.3 | 10.7 | 10.4 | 9.8 | 10.2 | 10.8 | 11.0 | 10.9 | 11.6 | 11.4 | 11.5 | 11.8 | 11.6 | 11.4 | 10.4 | 10.0 | 9.3 | 10.0 | 9.6 | 10.6 | 10.6 | |
| St. Louis, Mo. | 10.2 | 10.2 | 9.6 | 9.1 | 8.7 | 8.9 | 9.5 | 10.1 | 11.0 | 10.8 | 11.2 | 11.1 | 11.0 | 11.2 | 11.2 | 11.5 | 11.0 | 11.8 | 11.3 | 11.2 | 11.1 | 10.6 | 10.5 | | |
| St. Paul, Minn. | 7.2 | 7.4 | 6.8 | 7.4 | 7.2 | 7.0 | 6.8 | 7.2 | 7.3 | 7.6 | 8.1 | 8.5 | 8.7 | 9.1 | 9.2 | 8.7 | 8.5 | 8.3 | 7.7 | 7.6 | 7.4 | 7.8 | 7.8 | | |
| St. Vincent, Minn. | 9.3 | 9.5 | 9.9 | 10.0 | 9.6 | 9.5 | 9.2 | 9.2 | 9.2 | 9.4 | 10.5 | 11.1 | 10.9 | 11.2 | 10.9 | 10.2 | 9.5 | 8.8 | 8.3 | 8.6 | 8.5 | 8.8 | 9.6 | | |
| Salt Lake City, Utah. | 5.6 | 5.1 | 5.1 | 5.6 | 5.6 | 5.3 | 5.8 | 5.1 | 4.6 | 5.2 | 4.8 | 5.1 | 6.9 | 7.9 | 7.5 | 7.3 | 7.2 | 5.8 | 5.5 | 5.3 | 4.4 | 4.1 | 5.3 | 5.7 | |
| San Antonio, Tex. | 6.9 | 6.6 | 6.3 | 6.4 | 6.7 | 6.9 | 7.0 | 7.0 | 7.4 | 7.6 | 8.6 | 9.3 | 9.6 | 9.3 | 9.5 | 9.3 | 9.1 | 8.3 | 7.9 | 7.8 | 7.9 | 6.8 | 7.9 | | |
| San Diego, Cal. | 3.0 | 2.4 | 2.8 | 2.5 | 2.9 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.7 | 2.8 | 3.8 | 5.1 | 6.6 | 6.9 | 6.5 | 6.0 | 5.7 | 5.5 | 5.5 | | |
| Sandusky, Ohio. | 9.0 | 8.5 | 7.9 | 8.0 | 7.7 | 7.5 | 7.5 | 7.6 | 8.0 | 8.1 | 8.6 | 9.2 | 9.4 | 9.8 | 9.5 | 9.2 | 8.6 | 8.5 | 8.3 | 8.3 | 8.8 | 8.8 | 8.5 | | |
| San Francisco, Cal. | 8.0 | 8.3 | 8.9 | 9.0 | 9.0 | 9.5 | 9.3 | 9.1 | 9.5 | 9.1 | 9.2 | 9.5 | 9.8 | 9.8 | 10.0 | 10.4 | 10.7 | 11.5 | 10.5 | 9.3 | 9.5 | 8.6 | 8.7 | | |
| San Luis Obispo, Cal. | 4.7 | 4.5 | 5.0 | 4.9 | 5.4 | 5.3 | 5.5 | 5.7 | 5.9 | 5.7 | 5.4 | 5.5 | 5.6 | 5.6 | 5.7 | 7.2 | 7.7 | 7.8 | 7.0 | 6.2 | 5.6 | 5.1 | 5.8 | | |
| Santa Fe, N. Mex. | 4.9 | 4.6 | 4.9 | 4.8 | 4.5 | 4.9 | 5.2 | 5.1 | 5.6 | 6.0 | 6.4 | 7.8 | 8.9 | 8.9 | 9.1 | 9.0 | 8.6 | 7.4 | 5.5 | 5.2 | 4.9 | 4.8 | 6.3 | | |
| Sault Ste Marie, Mich. | 8.8 | 8.7 | 7.9 | 7.6 | 7.7 | 7.9 | 7.9 | 7.8 | 7.6 | 8.0 | 8.6 | 8.4 | 8.8 | 9.5 | 9.5 | 8.9 | 8.3 | 8.1 | 8.6 | 8.8 | 8.4 | 8.2 | | | |
| Savannah, Ga. | 6.1 | 6.1 | 6.2 | 6.6 | 6.8 | 6.8 | 6.5 | 6.8 | 6.8 | 7.5 | 8.5 | 8.5 | 9.2 | 8.9 | 8.7 | 9.1 | 8.6 | 7.9 | 6.9 | 6.8 | 6.6 | 6.4 | 7.3 | | |
| Seattle, Wash. | 6.8 | 6.4 | 6.6 | 6.8 | 7.2 | 6.6 | 6.3 | 6.9 | 7.1 | 7.5 | 7.0 | 6.6 | 7.0 | 7.5 | 7.5 | 7.9 | 8.2 | 8.5 | 7.5 | 7.5 | 7.4 | 6.8 | 7.2 | | |
| Shreveport, La. | 6.1 | 6.5 | 6.3 | 6.1 | 6.2 | 6.6 | 6.6 | 6.7 | 6.7 | 7.3 | 7.9 | 8.4 | 8.3 | 7.5 | 7.9 | 7.0 | 6.0 | 6.5 | 5.8 | 6.0 | 6.3 | 6.5 | 6.9 | | |
| Sioux City, Iowa. | 10.9 | 10.7 | 11.5 | 11.0 | 11.3 | 11.2 | 9.6 | 10.2 | 10.3 | 10.5 | 11.2 | 11.3 | 12.9 | 13.3 | 13.3 | 12.9 | 11.9 | 10.4 | 10.0 | 10.7 | 11.1 | 11.1 | 11.2 | | |
| Spokane, Wash. | 7.2 | 7.1 | 6.3 | 5.8 | 5.9 | 6.3 | 5.6 | 5.6 | 5.2 | 5.6 | 5.8 | 5.9 | 6.3 | 6.3 | 6.3 | 7.0 | 6.7 | 6.5 | 6.9 | 6.2 | 6.2 | 6.2 | 6.2 | | |
| Springfield, Ill. | 8.7 | 9.2 | 9.1 | 8.9 | 8.7 | 8.3 | 7.9 | 8.3 | 8.4 | 9.1 | 10.1 | 10.0 | 10.2 | 10.6 | 11.0 | 11.0 | 10.5 | 9.5 | 9.3 | 9.5 | 10.2 | 9.1 | 9.5 | | |
| Springfield, Mo. | 9.5 | 9.1 | 9.3 | 8.9 | 8.7 | 9.0 | 9.2 | 9.1 | 9.7 | 9.5 | 10.5 | 10.6 | 11.5 | 11.4 | 11.3 | 11.6 | 10.6 | 9.7 | 8.9 | 9.5 | 9.6 | 9.7 | 9.8 | | |
| Tampa, Fla. | 4.5 | 5.1 | 5.3 | 5.0 | 5.2 | 4.9 | 4.7 | 4.6 | 5.4 | 5.4 | 5.1 | 5.4 | 5.5 | 5.6 | 5.6 | 7.0 | 6.0 | 5.1 | 4.6 | 4.4 | 4.7 | 4.2 | 5.8 | | |
| Tatoosh Island, Wash. | 18.6 | 19.2 | 18.5 | 17.5 | 17.1 | 17.7 | 17.6 | 18.9 | 19.0 | 18.9 | 19.2 | 19.3 | 18.9 | 17.7 | 18.2 | 17.6 | 18.1 | 19.2 | 19.5 | 20.4 | 19.3 | 19.6 | 20.3 | | |
| Toledo, Ohio. | 9.8 | 9.8 | 9.1 | 8.8 | 8.7 | 8.3 | 8.7 | 9.1 | 9.2 | 9.9 | 10.3 | 10.6 | 10.5 | 11.0 | 11.1 | 10.8 | 10.5 | 10.0 | 9.8 | 10.0 | 10.3 | 9.7 | 9.8 | | |
| Vicksburg, Miss. | 7.7 | 7.2 | 7.0 | 6.7 | 6.6 | 7.2 | 7.6 | 7.6 | 7.4 | 7.2 | 7.2 | 7.8 | 7.1 | 6.8 | 7.2 | 7.3 | 7.8 | 7.1 | 7.7 | 7.3 | 7.2 | 7.3 | 7.3 | | |
| Vineyard Haven, Mass. | 10.2 | 10.1 | 9.9 | 9.9 | 9.7 | 9.5 | 9.6 | 9.4 | 9.7 | 10.6 | 11.2 | 11.1 | 11.6 | 11.5 | 11.5 | 10.9 | 10.0 | 9.9 | 9.0 | 9.8 | 9.5 | 10.2 | | | |
| Walla Walla, Wash. | 8.7 | 9.1 | 8.4 | 7.8 | 7.3 | 6.7 | 7.0 | 7.0 | 6.8 | 6.8 | 7.4 | 7.4 | 7.4 | 8.7 | 8.9 | 8.2 | 6.8 | 6.6 | 7.0 | 7.5 | 8.6 | 7.5 | | | |
| Washington, D. C. | 7.1 | 7.0 | 6.6 | 6.0 | 6.7 | 6.2 | 6.0 | 6.5 | 8.3 | 9.7 | 9.5 | 9.9 | 9.5 | 9.5 | 9.4 | 8.5 | 8.1 | 7.5 | 6.6 | 6.6 | 6.3 | 7.0 | 7.4 | | |
| Wichita, Kans. | 6.7 | 7.2 | 7.0 | 6.6 | 6.9 | 7.3 | 7.6 | 8.0 | 8.3 | 9.0 | 10.0 | 10.9 | 10.5 | 10.8 | 11.1 | 11.4 | 9.6 | 8.8 | 7.6 | 6.7 | 6.7 | 6.8 | | | |
| Williston, N. Dak. | 7.5 | 7.1 | 7.5 | 7.0 | 7.9 | 8.0 | 8.4 | 8.1 | 8.1 | 8.5 | 9.0 | 9.0 | 9.8 | 12.2 | 12.8 | 12.2 | 11.4 | 10.2 | 9.1 | 8.2 | 7.5 | 7.6 | 9.0 | | |
| Wilmette, N. C. | 6.7 | 6.9 | 6.8 | 6.7 | 6.6 | 7.0 | 7.1 | 7.2 | 7.3 | 8.0 | 8.5 | 8.8 | 9.4 | 10.2 | 10.5 | 8.7 | 7.5 | 7.0 | 6.6 | 6.5 | 6.5 | 6.7 | 7.2 | | |
| Winemucca, Nev. | 11.0 | 11.9 | 11.1 | 11.4 | 11.1 | 11.5 | 10.9 | 11.4 | 11.7 | 11.7 | 12.3 | 13.9 | 14.8 | 14.7 | 14.8 | 14.5 | 13.7 | 13.4 | 12.1 | 11.0 | 10.6 | 10.0 | 10.4 | | |
| Woods Hole, Mass. | 18.2 | 17.9 | 18.1 | 18.3 | 18.7 | 17.3 | 17.2 | 17.0 | 17.1 | 17.5 | 17.5 | 16.8 | 17.0 | 16.3 | 16.5 | 15.7 | 15.0 | 14.5 | 15.3 | 15.8 | 15.9 | 16.4 | 16.8 | | |
| Yuma, Ariz. | 5.1 | 4.4 | 4.3 | 4.0 | 3.8 | 4.0 | 4.6 | 5.2 | 4.7 | 5.4 | 4.4 | 5.4 | 6.9 | 8.4 | 9.1 | 9.8 | 8.7 | 8.2 | 7.9 | 7.1 | 6.7 | 5.5 | 5.1 | 5.9 | |

TABLE VIII.—Heights of rivers above low-water mark, January, 1896.

| Stations. | Distance to mouth of river. | | | | Highest water. | | | | Lowest water. | | | |
|-----------|-----------------------------|--|--|--|----------------|--|--|--|---------------|--|--|--|
|-----------|-----------------------------|--|--|--|----------------|--|--|--|---------------|--|--|--|

TABLE IX.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during January, 1896.

| Stations. | Component direction from— | | | | Resultant. | | Stations. | Component direction from— | | | | Resultant. | | | | | | | | |
|------------------------------------|---------------------------|----|----|----|-----------------|-----------|-------------------------------------|---------------------------|----|----|----|-----------------|-----------|--|--|--|--|--|--|--|
| | N. | S. | E. | W. | Direction from— | Duration. | | N. | S. | E. | W. | Direction from— | Duration. | | | | | | | |
| <i>New England.</i> | | | | | | | | | | | | | | | | | | | | |
| Eastport, Me. | 39 | 4 | 10 | 22 | n. 19 w. | 37 | Green Bay, Wis. | 19 | 26 | 4 | 20 | s. 66 w. | 18 | | | | | | | |
| Portland, Me. | 35 | 7 | 3 | 31 | n. 45 w. | 40 | Duluth, Minn. | 26 | 14 | 9 | 29 | n. 59 w. | 23 | | | | | | | |
| Northfield, Vt. | 29 | 27 | 1 | 9 | n. 76 w. | 8 | <i>North Dakota.</i> | | | | | | | | | | | | | |
| Boston, Mass. | 31 | 8 | 4 | 26 | n. 40 w. | 30 | Moorhead, Minn. | 37 | 15 | 7 | 13 | n. 15 w. | 23 | | | | | | | |
| Nantucket, Mass. | 34 | 8 | 23 | 6 | n. 40 e. | 34 | St. Vincent, Minn. | 33 | 18 | 8 | 11 | n. 11 w. | 15 | | | | | | | |
| Woods Hole, Mass.* | 15 | 4 | 5 | 12 | n. 32 w. | 13 | Bismarck, N. Dak. | 29 | 5 | 24 | 18 | n. 14 e. | 25 | | | | | | | |
| Block Island, R. I. | 35 | 4 | 22 | 23 | n. | 31 | Williston, N. Dak. | 24 | 19 | 15 | 14 | n. 11 e. | 5 | | | | | | | |
| New Haven, Conn. | 43 | 4 | 4 | 23 | n. 26 w. | 43 | <i>Upper Mississippi Valley.</i> | | | | | | | | | | | | | |
| <i>Middle Atlantic States.</i> | | | | | | | | | | | | | | | | | | | | |
| Albany, N. Y. | 29 | 15 | 3 | 21 | n. 52 w. | 23 | St. Paul, Minn. | 20 | 17 | 20 | 22 | n. 34 w. | 4 | | | | | | | |
| New York, N. Y. | 29 | 6 | 16 | 27 | n. 26 w. | 26 | La Crosse, Wis. | 19 | 25 | 7 | 21 | s. 67 w. | 15 | | | | | | | |
| Harrisburg, Pa. | 13 | 10 | 20 | 25 | n. 50 w. | 6 | Davenport, Iowa | 18 | 13 | 22 | 21 | n. 11 e. | 5 | | | | | | | |
| Philadelphia, Pa. | 32 | 8 | 15 | 22 | n. 16 w. | 25 | Des Moines, Iowa | 23 | 16 | 21 | 15 | n. 41 e. | 9 | | | | | | | |
| Baltimore, Md. | 22 | 12 | 14 | 24 | n. 45 w. | 14 | Keokuk, Iowa | 23 | 17 | 20 | 17 | n. 27 e. | 8 | | | | | | | |
| Washington, D. C. | 30 | 14 | 14 | 21 | n. 24 w. | 18 | Cairo, Ill. | 21 | 24 | 16 | 11 | s. 59 e. | 6 | | | | | | | |
| Lynchburg, Va. | 19 | 18 | 17 | 26 | n. 84 w. | 9 | Springfield, Ill. | 16 | 24 | 18 | 18 | s. | 8 | | | | | | | |
| Norfolk, Va. | 26 | 13 | 15 | 13 | n. 5 e. | 23 | Hannibal, Mo. | 17 | 19 | 20 | 21 | s. 27 w. | 2 | | | | | | | |
| <i>South Atlantic States.</i> | | | | | | | | | | | | | | | | | | | | |
| Charlotte, N. C. | 14 | 24 | 32 | 8 | s. 37 e. | 26 | St. Louis, Mo. | 21 | 18 | 19 | 16 | n. 45 e. | 4 | | | | | | | |
| Hatteras, N. C. | 40 | 5 | 9 | 16 | n. 11 w. | 36 | <i>Missouri Valley.</i> | | | | | | | | | | | | | |
| Kittyhawk, N. C. | 36 | 10 | 10 | 18 | n. 17 w. | 27 | Columbia, Mo.* | 8 | 7 | 13 | 12 | n. 45 e. | 1 | | | | | | | |
| Raleigh, N. C. | 35 | 15 | 11 | 15 | n. 11 w. | 20 | Kansas City, Mo. | 19 | 26 | 19 | 12 | s. 45 e. | 10 | | | | | | | |
| Wilmington, N. C. | 26 | 19 | 21 | 20 | n. 3 e. | 16 | Springfield, Mo. | 19 | 24 | 21 | 15 | s. 31 e. | 6 | | | | | | | |
| Charleston, S. C. | 27 | 12 | 21 | 16 | n. 18 e. | 16 | Omaha, Nebr. | 22 | 24 | 19 | 16 | s. 56 e. | 4 | | | | | | | |
| Augusta, Ga. | 25 | 9 | 20 | 20 | n. | 16 | Sioux City, Iowa | 10 | 13 | 8 | 9 | s. 18 w. | 3 | | | | | | | |
| Savannah, Ga. | 26 | 11 | 17 | 23 | n. 22 w. | 16 | Pierre, S. Dak. | 23 | 7 | 22 | 18 | n. 24 e. | 10 | | | | | | | |
| Jacksonville, Fla. | 28 | 13 | 23 | 17 | n. 22 e. | 16 | Huron, S. Dak. | 21 | 17 | 21 | 21 | n. | 4 | | | | | | | |
| <i>Florida Peninsula.</i> | | | | | | | | | | | | | | | | | | | | |
| Jupiter, Fla. | 24 | 12 | 12 | 27 | n. 47 w. | 18 | <i>Northern Slope.</i> | | | | | | | | | | | | | |
| Key West, Fla. | 34 | 7 | 27 | 6 | n. 38 e. | 34 | Havre, Mont. | 20 | 9 | 21 | 28 | n. 32 w. | 13 | | | | | | | |
| Tampa, Fla. | 29 | 8 | 18 | 22 | n. 11 w. | 21 | Miles City, Mont. | 24 | 16 | 18 | 17 | n. 7 e. | 8 | | | | | | | |
| <i>Eastern Gulf States.</i> | | | | | | | | | | | | | | | | | | | | |
| Atlanta, Ga. | 19 | 9 | 24 | 25 | n. 6 w. | 10 | Helena, Mont. | 16 | 22 | 1 | 39 | s. 81 w. | 38 | | | | | | | |
| Pensacola, Fla. | 33 | 12 | 17 | 15 | n. 5 e. | 21 | Rapid City, S. Dak. | 15 | 19 | 11 | 29 | s. 77 w. | 18 | | | | | | | |
| Mobile, Ala. | 34 | 15 | 10 | 18 | n. 23 w. | 21 | Cheyenne, Wyo. | 22 | 11 | 2 | 40 | n. 74 w. | 40 | | | | | | | |
| Montgomery, Ala. | 21 | 14 | 20 | 20 | n. | 7 | Lander, Wyo. | 18 | 22 | 8 | 23 | s. 79 w. | 20 | | | | | | | |
| Meridian, Miss. | 26 | 20 | 17 | 16 | n. 9 e. | 6 | North Platte, Nebr. | 13 | 22 | 15 | 26 | s. 51 w. | 14 | | | | | | | |
| Vicksburg, Miss. | 15 | 22 | 23 | 12 | n. 66 e. | 18 | <i>Middle Slope.</i> | | | | | | | | | | | | | |
| New Orleans, La. | 25 | 17 | 20 | 16 | n. 27 e. | 9 | Denver, Colo. | 17 | 29 | 8 | 19 | s. 43 w. | 16 | | | | | | | |
| <i>Western Gulf States.</i> | | | | | | | | | | | | | | | | | | | | |
| Shreveport, La. | 21 | 21 | 22 | 13 | e. | 9 | Pueblo, Colo. | 23 | 9 | 16 | 28 | s. 41 w. | 6 | | | | | | | |
| Fort Smith, Ark. | 16 | 8 | 30 | 15 | n. 62 e. | 17 | Concordia, Kans. | 18 | 29 | 12 | 15 | s. 41 w. | 18 | | | | | | | |
| Little Rock, Ark. | 23 | 15 | 15 | 18 | n. 21 w. | 8 | Dodge City, Kans. | 26 | 22 | 9 | 13 | s. 73 e. | 14 | | | | | | | |
| Corpus Christi, Tex. | 27 | 15 | 26 | 10 | n. 53 e. | 4 | Wichita, Kans. | 22 | 20 | 13 | 13 | s. | 4 | | | | | | | |
| Galveston, Tex. | 17 | 19 | 20 | 16 | n. 63 e. | 13 | Oklahoma, Okla. | 25 | 27 | 15 | 9 | s. 72 e. | 6 | | | | | | | |
| Palestine, Tex. | 26 | 17 | 22 | 13 | n. 45 e. | 23 | <i>Southern Slope.</i> | | | | | | | | | | | | | |
| San Antonio, Tex. | 33 | 13 | 21 | 10 | n. 29 e. | 23 | Abilene, Tex. | 21 | 27 | 11 | 18 | s. 18 w. | 6 | | | | | | | |
| <i>Ohio Valley and Tennessee.</i> | | | | | | | | | | | | | | | | | | | | |
| Chattanooga, Tenn. | 18 | 13 | 21 | 19 | n. 22 e. | 5 | Amarillo, Tex. | 22 | 27 | 8 | 14 | s. 50 w. | 8 | | | | | | | |
| Knoxville, Tenn. | 31 | 5 | 20 | 23 | n. 4 w. | 26 | <i>Southern Plateau.</i> | | | | | | | | | | | | | |
| Memphis, Tenn. | 22 | 18 | 20 | 15 | n. 51 e. | 6 | El Paso, Tex. | 23 | 9 | 18 | 30 | n. 41 w. | 18 | | | | | | | |
| Nashville, Tenn. | 21 | 22 | 17 | 18 | n. 45 w. | 1 | Santa Fe, N. Mex. | 27 | 15 | 34 | 8 | n. 65 e. | 29 | | | | | | | |
| Lexington, Ky. | 11 | 23 | 21 | 21 | s. | 12 | Phoenix, Ariz. | 1 | 36 | 13 | 20 | s. 11 w. | 38 | | | | | | | |
| Louisville, Ky. | 19 | 20 | 18 | 18 | s. | 1 | Yuma, Ariz. | 37 | 8 | 19 | 10 | s. 17 e. | 30 | | | | | | | |
| Indianapolis, Ind. | 15 | 22 | 20 | 19 | s. 8 e. | 7 | Independence, Cal. | 19 | 25 | 6 | 26 | s. 73 w. | 21 | | | | | | | |
| Cincinnati, Ohio. | 12 | 20 | 24 | 21 | s. 21 e. | 8 | <i>Middle Plateau.</i> | | | | | | | | | | | | | |
| Columbus, Ohio. | 14 | 23 | 19 | 22 | s. 38 w. | 10 | Carson City, Nev. | 16 | 26 | 15 | 15 | n. | 10 | | | | | | | |
| Pittsburg, Pa. | 14 | 17 | 14 | 21 | s. 80 w. | 17 | Winnemucca, Nev. | 12 | 20 | 24 | 16 | s. 45 e. | 11 | | | | | | | |
| Parkersburg, W. Va. | 12 | 18 | 14 | 22 | s. 53 w. | 10 | Salt Lake City, Utah. | 7 | 30 | 23 | 16 | s. 17 e. | 24 | | | | | | | |
| <i>Lower Lake Region.</i> | | | | | | | | | | | | | | | | | | | | |
| Buffalo, N. Y. | 16 | 12 | 20 | 23 | n. 63 w. | 9 | <i>Northern Plateau.</i> | | | | | | | | | | | | | |
| Oswego, N. Y. | 17 | 24 | 21 | 19 | n. 16 e. | 7 | Baker City, Oreg. | 11 | 37 | 15 | 10 | s. 11 e. | 26 | | | | | | | |
| Rochester, N. Y. | 11 | 17 | 21 | 29 | n. 49 w. | 9 | Idaho Falls, Idaho. | 16 | 33 | 3 | 17 | s. 39 w. | 22 | | | | | | | |
| Erie, Pa. | 11 | 20 | 15 | 23 | s. 55 w. | 16 | Spokane, Wash. | 17 | 26 | 16 | 13 | s. 18 e. | 10 | | | | | | | |
| Cleveland, Ohio. | 12 | 23 | 21 | 23 | s. 10 w. | 11 | Walla Walla, Wash. | 6 | 37 | 11 | 17 | s. 11 w. | 32 | | | | | | | |
| Sandusky, Ohio. | 17 | 12 | 15 | 28 | n. 69 w. | 14 | <i>North Pacific Coast Region.</i> | | | | | | | | | | | | | |
| Toledo, Ohio. | 12 | 15 | 16 | 30 | s. 78 w. | 14 | Fort Canby, Wash. | 9 | 30 | 22 | 12 | s. 25 e. | 23 | | | | | | | |
| Detroit, Mich. | 14 | 20 | 11 | 29 | s. 72 w. | 19 | Port Angeles, Wash. | 3 | 33 | 9 | 19 | s. 16 w. | 37 | | | | | | | |
| <i>Upper Lake Region.</i> | | | | | | | | | | | | | | | | | | | | |
| Alpena, Mich. | 15 | 17 | 14 | 27 | s. 81 w. | 13 | Seattle, Wash. | 13 | 37 | 15 | 8 | s. 16 e. | 25 | | | | | | | |
| Grand Haven, Mich. | 21 | 16 | 21 | 17 | n. 39 e. | 6 | Tatoosh Island, Wash. | 5 | 23 | 27 | 16 | s. 31 e. | 21 | | | | | | | |
| Marquette, Mich. | 22 | 16 | 10 | 32 | n. 75 w. | 23 | Portland, Oreg. | 18 | 21 | 16 | 19 | s. 45 w. | 4 | | | | | | | |
| Port Huron, Mich. | 11 | 23 | 14 | 26 | s. 45 w. | 17 | Roseburg, Oreg. | 7 | 27 | 23 | 19 | s. 11 e. | 20 | | | | | | | |
| Sault Ste. Marie, Mich. | 12 | 27 | 35 | 10 | s. 50 e. | 29 | <i>Middle Pacific Coast Region.</i> | | | | | | | | | | | | | |
| Chicago, Ill. | 16 | 23 | 13 | 21 | s. 49 w. | 11 | Eureka, Cal. | 9 | 31 | 24 | 16 | s. 20 e. | 23 | | | | | | | |
| Milwaukee, Wis. | 22 | 18 | 13 | 24 | n. 70 w. | 12 | Red Bluff, Cal. | 20 | 22 | 19 | 19 | s. | 2 | | | | | | | |
| <i>South Pacific Coast Region.</i> | | | | | | | | | | | | | | | | | | | | |
| Fresno, Cal. | | | | | | | <i>Sacramento, Cal.</i> | | | | | | | | | | | | | |
| Los Angeles, Cal. | | | | | | | San Francisco, Cal. | 13 | 33 | 16 | 15 | s. 3 e. | 20 | | | | | | | |
| San Diego, Cal. | | | | | | | San Luis Obispo, Cal. | 20 | 23 | 10 | 21 | s. 75 w. | 11 | | | | | | | |
| San Luis Obispo, Cal. | | | | | | | | | | | | | | | | | | | | |

* From observations at 8 p. m. only.

TABLE X.—*Thunderstorms and auroras, January, 1896.*

TABLE XI.—Hourly sunshine as deduced from sunshine recorders, January, 1896.

| Stations. | Instrument. | Percentages for each hour of local mean time ending with the respective hour. | | | | | | | | | | | | | | Monthly summary. | | | |
|------------------------|-------------|---|----|----|----|----|----|----|-------|----|----|-----|-----|-------|-------|----------------------|-------|-----------|----------------------|
| | | A. M. | | | | | | | P. M. | | | | | | | Instrumental record. | | Possible. | |
| | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Noon | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Actual. | Percent of possible. |
| Atlanta, Ga. | T. | 30 | 29 | 32 | 51 | 57 | 65 | 61 | 59 | 51 | 43 | 39 | 30 | ... | ... | 152.6 | 316.2 | 48 | 44 |
| Baltimore, Md. | T. | 23 | 25 | 30 | 47 | 48 | 49 | 52 | 45 | 39 | 34 | 30 | ... | ... | 122.7 | 303.8 | 40 | 37 | |
| Bismarck, N. Dak. | P. | 17 | 21 | 27 | 37 | 33 | 38 | 39 | 39 | 29 | 29 | 29 | ... | ... | 84.3 | 279.8 | 30 | 35 | |
| Boston, Mass. | T. | 36 | 44 | 51 | 53 | 58 | 57 | 61 | 61 | 54 | 42 | 46 | ... | ... | 155.0 | 295.5 | 52 | 48 | |
| Buffalo, N. Y. | T. | 9 | 10 | 13 | 21 | 31 | 33 | 29 | 26 | 24 | 12 | 12 | ... | ... | 61.7 | 222.7 | 21 | 13 | |
| Chicago, Ill. | T. | 18 | 17 | 29 | 40 | 51 | 49 | 45 | 34 | 31 | 27 | 31 | ... | ... | 102.6 | 295.5 | 35 | 30 | |
| Cincinnati, Ohio | T. | 16 | 21 | 27 | 40 | 43 | 45 | 40 | 38 | 35 | 29 | 20 | ... | ... | 102.4 | 308.8 | 34 | 34 | |
| Cleveland, Ohio | P. | 4 | 5 | 18 | 26 | 35 | 31 | 33 | 30 | 20 | 4 | 15 | ... | ... | 59.8 | 295.5 | 20 | 23 | |
| Columbus, Ohio | T. | 3 | 6 | 23 | 40 | 37 | 38 | 35 | 30 | 24 | 8 | 8 | ... | ... | 75.3 | 301.1 | 25 | 20 | |
| Denver, Colo. | P. | 72 | 78 | 80 | 83 | 88 | 86 | 80 | 79 | 79 | 46 | 46 | ... | ... | 239.9 | 301.1 | 80 | 57 | |
| Des Moines, Iowa | T. | 32 | 39 | 37 | 45 | 55 | 54 | 55 | 58 | 55 | 51 | 46 | 15 | ... | 145.3 | 295.5 | 49 | 38 | |
| Detroit, Mich. | T. | 32 | 35 | 37 | 43 | 50 | 42 | 36 | 33 | 37 | 20 | 23 | ... | ... | 101.1 | 295.5 | 34 | 27 | |
| Dodge City, Kans. | P. | 49 | 55 | 57 | 59 | 62 | 61 | 61 | 51 | 52 | 45 | 33 | ... | ... | 169.4 | 306.5 | 55 | 47 | |
| Eastport, Me. | P. | 39 | 40 | 53 | 59 | 61 | 54 | 62 | 59 | 53 | 51 | 100 | ... | ... | 154.2 | 296.3 | 54 | 43 | |
| Eureka, Cal. | P. | 16 | 19 | 23 | 25 | 28 | 32 | 29 | 29 | 25 | 16 | 24 | ... | ... | 74.7 | 298.4 | 25 | 25 | |
| Galveston, Tex. | P. | 33 | 41 | 46 | 45 | 50 | 49 | 50 | 45 | 51 | 48 | 36 | 19 | ... | 146.9 | 326.8 | 45 | 44 | |
| Helena, Mont. | P. | 21 | 20 | 35 | 45 | 45 | 51 | 54 | 48 | 38 | 37 | ... | ... | 114.2 | 273.8 | 41 | 44 | | |
| Kansas City, Mo. | P. | 31 | 28 | 42 | 36 | 34 | 37 | 41 | 38 | 30 | 30 | 10 | ... | ... | 102.1 | 303.7 | 34 | 37 | |
| Little Rock, Ark. | T. | 19 | 25 | 30 | 43 | 45 | 50 | 52 | 47 | 42 | 42 | 27 | ... | ... | 126.0 | 314.7 | 40 | 35 | |
| Louisville, Ky. | T. | 16 | 16 | 23 | 38 | 44 | 42 | 43 | 34 | 26 | 25 | 31 | ... | ... | 94.4 | 306.5 | 31 | 24 | |
| New Orleans, La. | T. | 33 | 29 | 30 | 39 | 43 | 51 | 51 | 52 | 43 | 45 | 42 | ... | ... | 137.5 | 324.6 | 42 | 41 | |
| New York, N. Y.* | T. | 20 | 33 | 51 | 57 | 62 | 52 | 49 | 48 | 43 | 29 | 29 | ... | ... | 143.8 | 298.3 | 46 | 45 | |
| Philadelphia, Pa. | T. | 55 | 53 | 60 | 70 | 70 | 64 | 60 | 56 | 49 | 38 | 25 | ... | ... | 173.1 | 301.1 | 57 | 45 | |
| Phoenix, Ariz. | P. | 78 | 81 | 82 | 87 | 78 | 75 | 80 | 81 | 68 | 60 | 51 | ... | ... | 245.2 | 318.3 | 72 | 72 | |
| Portland, Me. | T. | 11 | 44 | 61 | 74 | 83 | 81 | 84 | 70 | 52 | 29 | 33 | ... | ... | 179.9 | 289.7 | 32 | 45 | |
| Portland, Oreg. Do. | T. | 21 | 19 | 18 | 24 | 37 | 37 | 39 | 29 | 16 | 17 | 45 | ... | ... | 74.0 | 283.1 | 31 | 31 | |
| Rochester, N. Y. | T. | 0 | 10 | 48 | 77 | 80 | 82 | 72 | 58 | 30 | 11 | 0 | ... | ... | 144.6 | 292.7 | 49 | 36 | |
| St. Louis, Mo. | T. | 38 | 39 | 47 | 52 | 57 | 56 | 56 | 54 | 49 | 35 | 33 | ... | ... | 147.3 | 303.8 | 48 | 41 | |
| Salt Lake City, Utah. | P. | 36 | 40 | 47 | 48 | 43 | 41 | 41 | 42 | 38 | 29 | 47 | ... | ... | 119.4 | 298.4 | 40 | 25 | |
| San Diego, Cal. | P. | 0 | 42 | 54 | 62 | 68 | 66 | 72 | 75 | 74 | 72 | 38 | ... | ... | 107.7 | 318.5 | 62 | 56 | |
| San Francisco, Cal. | T. | 1 | 15 | 31 | 48 | 57 | 54 | 52 | 55 | 33 | 10 | 0 | ... | ... | 114.6 | 306.5 | 37 | 35 | |
| Santa Fe, N. Mex. | P. | 67 | 81 | 87 | 91 | 90 | 83 | 79 | 75 | 66 | 57 | 41 | ... | ... | 239.7 | 311.8 | 77 | 63 | |
| Savannah, Ga. | P. | 25 | 34 | 50 | 56 | 59 | 55 | 58 | 62 | 50 | 48 | 46 | ... | ... | 164.3 | 320.5 | 51 | 39 | |
| Vicksburg, Miss. | T. | 25 | 24 | 22 | 25 | 34 | 35 | 43 | 45 | 43 | 40 | 30 | ... | ... | 107.5 | 320.5 | 34 | 32 | |
| Washington, D. C. | P. | 30 | 45 | 51 | 48 | 48 | 47 | 45 | 52 | 46 | 44 | 43 | ... | ... | 139.9 | 308.8 | 46 | 46 | |
| Wilmington, N. C. | T. | 30 | 13 | 44 | 54 | 66 | 76 | 76 | 70 | 59 | 48 | 29 | 22 | ... | ... | 167.4 | 316.3 | 53 | 52 |

* Hourly values for 25 days only, remainder of data for 31 days.

TABLE XII.—*Excessive precipitation, by stations, for January, 1896.*

| Stations. | Monthly rainfall 10 inches, or more. | Rainfall 2-50 inches, or more, in 24 hours. | | Rainfall of 1 inch, or more, in one hour. | | |
|------------------------|---|--|-------|---|-------|------|
| | | Amt. | Day. | Amt. | Time. | Day. |
| <i>Alabama.</i> | | | | | | |
| Bermuda..... | Inches. | Inches. | | In. | h. m. | |
| Collirene..... | 2.92 | 2.92 | | | | |
| Goodwater..... | 3.55 | 3.55 | | | | |
| Healing Springs..... | 3.50 | 3.50 | | | | |
| Montgomery..... | 4.42 | 4.42 | | | | |
| Pushmataha..... | 2.62 | 21-22 | | | | |
| Selma..... | 2.50 | 21-22 | | | | |
| Union Springs..... | 3.50 | 21-22 | | | | |
| Uniontown..... | 2.70 | 22-23 | | | | |
| Wetumpka..... | 3.30 | 21 | | | | |
| Arkansas. | | | | | | |
| Conway..... | 3.18 | 21-22 | | | | |
| California. | 2.90 | 30 | | | | |
| Bear Valley..... | 25.39 | 9.50 | 16-18 | | | |
| Do..... | | 4.10 | 20 | | | |
| Berkeley..... | 11.40 | 15.71 | 16-18 | | | |
| Bowmans Dam..... | 29.85 | 3.16 | 20 | | | |
| Do..... | | 6.75 | 15-16 | | | |
| Cloverdale..... | 23.26 | 2.51 | 18 | | | |
| Do..... | | 3.32 | 20 | | | |
| Do..... | | 3.16 | 26 | | | |
| Crescent City..... | 11.24 | | | | | |
| Davisville..... | 10.79 | | | | | |
| Edmonton..... | 32.70 | 15.83 | 15-17 | | | |
| Do..... | | 8.20 | 19-20 | | | |
| Fordyce Dam..... | 25.05 | 7.65 | 20-21 | | | |
| Do..... | | 3.45 | 25 | | | |
| Fort Bragg..... | 10.02 | | | | | |
| Fort Ross..... | 24.04 | | | | | |
| Georgetown..... | 19.55 | 6.70 | 17-18 | | | |
| Grass Valley..... | 20.34 | 6.98 | 16-17 | | | |
| Do..... | | 3.04 | 20 | | | |
| Greenville..... | 16.66 | 6.70 | 16-17 | | | |
| Guinda..... | 13.27 | 2.50 | 19-20 | | | |
| Healdsburg..... | 23.01 | 10.55 | 17-19 | | | |
| Do..... | | 3.27 | 27 | | | |
| Iowa Hill..... | 17.77 | 5.80 | 17-18 | | | |
| Kennedy Gold Mine..... | 11.80 | | | | | |
| La Porte..... | 32.43 | 15.48 | 15-18 | | | |
| Do..... | | 6.62 | 20-21 | | | |
| Lodi..... | | 2.68 | 20 | | | |
| Los Gatos..... | 17.39 | 3.05 | 18 | | | |
| Do..... | | 2.90 | 20 | | | |
| Middletown..... | 25.78 | 4.54 | 20 | | | |
| Mills College..... | 11.90 | 2.60 | 20 | | | |
| Mount Glenwood..... | 24.22 | 11.65 | 16-18 | | | |
| Do..... | | 4.28 | 19-20 | | | |
| Do..... | | 3.47 | 26-27 | | | |
| Nevada City..... | 19.61 | 6.40 | 16-17 | | | |
| Do..... | | 2.65 | 20 | | | |
| Oakland..... | 11.08 | | | | | |
| Orangevale..... | 10.43 | | | | | |
| Ormonde..... | 25.58 | 8.50 | 16-17 | | | |
| Do..... | | 3.58 | 20 | | | |
| Oroville..... | 11.41 | | | | | |
| Palermo..... | 10.03 | | | | | |
| Pilot Creek..... | 25.47 | 9.33 | 16-18 | | | |
| Do..... | | 4.16 | 20 | | | |
| Placerville..... | 16.38 | 2.66 | 18 | | | |
| Quincy..... | 20.79 | 7.58 | 16-17 | | | |
| Redding..... | 14.52 | | | | | |
| Rosewood..... | 13.60 | | | | | |
| Sacramento, V. O..... | 10.46 | | | | | |
| San Rafael..... | 20.07 | 3.25 | 18 | | | |
| Do..... | | 3.84 | 20 | | | |
| Shasta..... | 27.67 | 8.32 | 15-16 | | | |
| Do..... | | 3.20 | 17-18 | | | |
| Do..... | | 5.05 | 19-20 | | | |
| Do..... | | 3.68 | 25 | | | |
| Shasta Springs..... | 13.25 | | | | | |
| Summerdale..... | 21.56 | 2.50 | 16 | | | |
| Do..... | | 6.03 | 18 | | | |
| Do..... | | 6.15 | 20-21 | | | |
| Ukiah..... | 16.68 | 2.83 | 20 | | | |
| Do..... | | 2.77 | 26 | | | |
| Upper Mattole..... | 26.22 | 11.33 | 14-16 | | | |
| Do..... | | 3.05 | 19 | | | |
| Do..... | | 2.53 | 26 | | | |
| Vacaville..... | 14.46 | 4.26 | 19 | | | |
| Walnut Creek..... | 11.05 | | | | | |
| Washington..... | 24.12 | 11.61 | 16-18 | | | |
| Do..... | | 2.69 | 20 | | | |
| West Point..... | 12.90 | 3.76 | 18 | | | |
| Wire Bridge..... | 11.40 | | | | | |
| Yuba City..... | 10.07 | | | | | |

TABLE XII.—*Excessive precipitation—Continued.*

| Stations. | Monthly rainfall 10 inches, or more. | Rainfall 2-50 inches, or more, in 24 hours. | | Rainfall of 1 inch, or more, in one hour. | |
|----------------------------|---|--|-------|---|------|
| | | Amt. | Day. | Amt. | Day. |
| <i>Florida.</i> | | | | | |
| Eustis..... | Inches. | Inches. | | | |
| Jupiter..... | 4.54 | 23 | | | |
| Merritts Island..... | | 3.43 | 15 | | |
| New Smyrna..... | | 2.85 | 15 | | |
| Do..... | | 2.94 | 23 | | |
| Ocala..... | | 3.22 | 23 | | |
| Orange City..... | | 4.02 | 21 | | |
| St. Francis..... | | 3.05 | 21 | | |
| <i>Georgia.</i> | | | | | |
| Point Peter..... | | 2.60 | 16 | | |
| Savannah..... | | 2.53 | 15-16 | | |
| <i>Illinois.</i> | | | | | |
| Greenville..... | | 2.70 | 23 | | |
| <i>Louisiana.</i> | | | | | |
| Shreveport..... | | 4.12 | 30-31 | | |
| Trinity..... | | 3.30 | 22 | | |
| White Sulphur Springs..... | | 2.75 | 22 | | |
| <i>Maryland.</i> | | | | | |
| Green Spring Furnace..... | | 2.50 | 23-24 | | |
| Sharpsburg..... | | 2.51 | 23-24 | | |
| <i>Mississippi.</i> | | | | | |
| Austin..... | | 2.75 | 31 | | |
| Briers..... | | 3.70 | 21 | | |
| Fayette..... | | 5.86 | 21-22 | | |
| Mico..... | | 6.03 | 21-22 | | |
| Moss Point..... | | 2.60 | 15 | | |
| Natchez..... | | 2.50 | 21 | | |
| Pontotoc..... | | | | | |
| Port Gibson..... | | 5.72 | 21-22 | | |
| Woodville..... | | 3.79 | 21 | | |
| <i>Nevada.</i> | | | | | |
| Lewers Ranch..... | | 10.70 | | | |
| Verdi..... | | 2.62 | 17 | | |
| <i>North Carolina.</i> | | | | | |
| Lumberton..... | | 2.65 | 16-17 | | |
| Pantego..... | | 2.50 | 16-17 | | |
| Southport..... | | 3.23 | 16-17 | | |
| <i>Oregon.</i> | | | | | |
| Astoria..... | | 12.54 | | | |
| Bandon..... | | 18.49 | 3.03 | 1 | |
| Corvallis (near)..... | | 10.13 | | | |
| Detroit..... | | 14.86 | | | |
| Forest Grove..... | | 10.84 | | | |
| Gardiner..... | | 16.58 | 3.30 | 15 | |
| Glenora..... | | 27.12 | 7.12 | 7-8 | |
| Langlois..... | | 22.10 | 2.60 | 16 | |
| Lorella..... | | 10.23 | 2.50 | 21 | |
| Merlin..... | | 11.05 | | | |
| Nehalem..... | | 18.41 | | | |
| Newport..... | | 11.09 | | | |
| Salmon..... | | 14.02 | | | |
| Toledo..... | | 14.68 | | | |
| West Fork..... | | 14.80 | | | |
| <i>South Carolina.</i> | | | | | |
| Georgetown..... | | 3.30 | 23 | | |
| Smiths Mills..... | | 2.51 | 22-23 | | |
| <i>Tennessee.</i> | | | | | |
| Tullahoma..... | | 4.10 | 31 | | |
| Waynesboro..... | | 3.00 | 31 | | |
| <i>Texas.</i> | | | | | |
| Angleton..... | | 2.50 | 6 | | |
| Brady..... | | 2.87 | 29-30 | | |
| College Station..... | | 10.93 | 7.13 | 29-30 | |
| Hewitt..... | | 3.30 | 29-30 | | |
| Longview..... | | 2.76 | 29-30 | | |
| Luling..... | | 3.31 | 29-30 | | |
| Marshall..... | | 15.40 | | | |
| Palestine..... | | 2.93 | 29-30 | | |
| <i>Washington.</i> | | | | | |
| Aberdeen..... | | 22.92 | 2.73 | 6 | |
| East Clallam..... | | 26.93 | 3.85 | 4-5 | |
| Do..... | | 2.95 | 6-7 | | |
| Do..... | | 2.73 | 25-26 | | |
| Fort Canby..... | | 11.53 | | | |
| Lapush..... | | 21.46 | 2.73 | 26 | |
| Madrone..... | | 10.80 | | | |
| Monte Cristo..... | | 16.42 | | | |
| Neahbay..... | | 25.85 | 6.79 | 3-5 | |
| Do..... | | 2.57 | 25-26 | | |
| Olympia..... | | 10.86 | | | |
| Port Crescent..... | | 10.10 | | | |
| Pysht..... | | 17.96 | 3.40 | 4-5 | |
| Do..... | | 3.00 | 6-7 | | |
| South Bend..... | | 17.44 | 3.10 | 8 | |
| Tatoosh Island..... | | 22.57 | 3.54 | 4-5 | |
| Union City..... | | 22.40 | 7.30 | 7-8 | |

TABLE XIII.—*Maximum rainfall in one hour or less, January, 1896.*

| Stations. | Maximum rainfall in— | | | | | |
|--------------------|----------------------|-------|---------|-------|---------|-------|
| | 5 min. | Date. | 10 min. | Date. | 1 hour. | Date. |
| | Inch. | Inch. | | Inch. | | |
| Atlanta, Ga.* | | | | | | |
| Bismarck, N. Dak.* | | | | | | |
| Boston, Mass. | 0.04 | 24 | 0.06 | 24 | 0.25 | 24 |
| Buffalo, N. Y. | 0.03 | 24 | 0.06 | 24 | 0.24 | 24 |
| Chicago, Ill.* | | | | | | |
| Cincinnati, Ohio | 0.01 | 23 | 0.02 | 23 | 0.06 | 23 |
| Cleveland, Ohio * | 0.01 | 18 | 0.02 | 18 | 0.06 | 18 |
| Denver, Colo. † | | | | | | |
| Detroit, Mich.* | | | | | | |
| Dodge City, Kans. | 0.05 | 29 | 0.05 | 29 | 0.03 | 29 |
| Duluth, Minn.* | | | | | | |
| Eastport, Me.* | | | | | | |
| Galveston, Tex. | 0.09 | 7 | 0.11 | 7, 25 | 0.26 | 14 |
| Indianapolis, Ind. | | | | | | |
| Jacksonville, Fla. | 0.04 | 16 | 0.07 | 16 | 0.18 | 16 |
| Jupiter, Fla. | 0.45 | 26 | 0.75 | 26 | 1.56 | 26 |
| Kansas City, Mo.* | | | | | | |
| Key West, Fla. | 0.09 | 9 | 0.12 | 9 | 0.27 | 9 |
| Little Rock, Ark. | 0.08 | 30 | 0.13 | 30 | 0.48 | 30 |
| Louisville, Ky.* | | | | | | |
| Memphis, Tenn. | 0.06 | 31 | 0.10 | 2, 31 | 0.24 | 21 |

* Record incomplete on account of snow and other causes.

TABLE XIII.—*Maximum rainfall—Continued.*

| Stations. | Maximum rainfall in— | | | | | |
|-----------------------|----------------------|-------|---------|-------|---------|--------|
| | 5 min. | Date. | 10 min. | Date. | 1 hour. | Date. |
| | Inch. | Inch. | | Inch. | | |
| Milwaukee, Wis.* | | | | | | |
| Nantucket, Mass.* | | | | | | |
| Nashville, Tenn. | 0.03 | 2 | | | 0.05 | 2 |
| New Orleans, La. | 0.13 | 7 | | | 0.23 | 7 |
| New York, N. Y. | 0.02 | 24 | | | 0.04 | 24 |
| Norfolk, Va. | 0.03 | 17 | | | 0.06 | 17 |
| Omaha, Nebr.* | | | | | | |
| Philadelphia, Pa.* | | | | | | |
| Portland, Me.* | | | | | | |
| Portland, Oreg. | 0.04 | 17 | | | 0.05 | 17, 19 |
| Rochester, N. Y.* | | | | | | |
| St. Louis, Mo. | 0.01 | 23 | | | 0.02 | 23 |
| St. Paul, Minn. | 0.02 | 19 | | | 0.03 | 19 |
| Salt Lake City, Utah* | 0.03 | 18 | | | 0.05 | 18 |
| San Diego, Cal. | 0.07 | 21 | | | 0.10 | 21 |
| San Francisco, Cal. | 0.15 | 17 | | | 0.25 | 17 |
| Savannah, Ga. | 0.13 | 23 | | | 0.19 | 23 |
| Seattle, Wash. | 0.02 | 5 | | | 0.04 | 5 |
| Vicksburg, Miss. | 0.12 | 31 | | | 0.16 | 31 |
| Washington, D. C. | 0.07 | 24 | | | 0.11 | 24 |
| Wilmington, N. C. | 0.11 | 22 | | | 0.18 | 22 |

† Less than 0.05 in 1 hour.